# LBT-D117CD

## **SERVICE MANUAL**

US Model Canadian Model AEP Model UK Model

 LBT-D117CD is composed of following models. As for the service manual it is issued for each component model, then, please refer to it.

#### **COMPONENT MODEL NAME FOR LBT-D117CD**

STEREO DECK RECEIVER	HCD-D117
TURNTABLE	PS-LX49P

 Items marked "\*" are not stocked since they are seldom required for routine service.
 Some delay should be anticipated when ordering these items.

#### **ACCESSORY & PACKING MATERIAL**

IT: Italian model

Part No.	Description
1-501-374-11	ANTENNA, LOOP (AM)
3-754-667-11	MANUAL, INSTRUCTION (ENGLISH)(UK)
3-754-667-21	MANUAL, INSTRUCTION (ENGLISH)(US,Canadian)
3-754-667-31	MANUAL, INSTRUCTION (FRENCH)(Canadian)
3-754-667-41	MANUAL, INSTRUCTION (ENGLISH,
	FRENCH, SPANISH, PORTUGUESE) (AEP)
3-754-667-51	MANUAL, INSTRUCTION (GERMAN,
	DUTCH, SWEDISH, ITALIAN) (AEP, IT)
3-754-669-61	MANUAL, INSTRUCTION (ENGLIGH,
	GERMAN, POLAND, RUSSIAN) (East European)
* 4-950-627-01	INDIVIDUAL CARTON (AEP)
* 4-950-629-01	INDIVIDUAL CARTON (East European)
* 4-950-630-01	INDIVIDUAL CARTON (UK)
* 4-950-775-01	INDIVIDUAL CARTON (US, Canadian)
1-501-369-11	ANTENNA (FM)

**SPECIFICATIONS** 

Power requirements 120V AC,

120V AC, 60Hz (US, Canadian)

220 -- 230 V AC, 50/60Hz (AEP)

240V AC, 50Hz (UK)

Power consumption

75 W (US, Canadian, AEP)

150W (UK)

Weight Dimensions Approx. 8.6 kg (18 lb 15 oz)

Approx.  $355 \times 380 \times 325$  mm

 $(14 \times 15 \times 12 \% \text{ inches})$ 

(w/h/d, including projections)

#### Supplied accessories

45-rpm adaptor (1)

Remote commander RM-S171 (1)

FM wire antenna (1) (except German model)

AM loop antenna (1)

Batteries Sony SUM-3 (NS) (2)

Design and Specifications subject to change without notice.

# COMPACT HIFI STEREO SYSTEM SONY®

English

© 1992.2

92B1891-1 Printed in Japan

Sony Corporation
Audio Group

**MICROFILM** 

# **HCD-D117**

## **SERVICE MANUAL**



US Model Canadian Model AEP Model East European Model UK Model

 HCD-D117 is the STEREO DECK RECEIVER in LBT-D117CD.

#### **SPECIFICATIONS**

Tuner

System FM stereo

FM/AM superheterodyne tuner FM tuner section

Tuning range 87.5 to 108 MHz
Antenna 75 ohms unbalanced

Intermediate frequency 10.7 MHz

MW/LW tuner section Tuning range

MW:530 to 1,710 kHz(US, Canadian model)

MW:532 to 1,611 kHz(IT model)
MW:531 to 1,602 kHz(other models)
L W:153 to 279 kHz(other models)
L W:144 to 288 kHz(IT model)

Antenna AM loop antenna

External antenna terminal Intermediate frequency 450 kHz

Amplifier

DIN power output 20 W + 20 W (6 ohms, at 1 kHz)

Continuous RMS power output

23 W + 23 W (6 ohms, at 1 kHz,

5% THD)

Music power output 40 W + 40 W (6 ohms)

Input	Jack type	Sensitivity	Impedance
VIDEO IN	Phono	300 mV	47 kohms
PHONO IN	Phono	3 mV	47 kohms

Output	Jack type	Impedance
SURROUND SPEAKER	Phono	Accepts speakers of 16 ohms
HEADPHONES	Stereophone	Accepts headphones of 8 ohms or more

Frequency response VIDEO: 15 Hz to 50 kHz  $^{+0}_{-2}$  dB

Cassette deck

Recording system 4-track 2-channel stereo
Frequency response DOLBY NR OFF

With Type II cassette (Sony UX-S) 40 Hz to 14 kHz (±3 dB) With Type I cassette (Sony HF-S) 40 Hz to 13 kHz (±3 dB)

Model Name Using Similar Mechanism	HST-D107
Tape Transport Mechanism Type	TCM-180VW-H7
Model Name Using Similar Mechanism	HCD-D115
CD Mechanism Type	CDM14L-5BD1
Base Unit Name	BU-5BD1

Wow and flutter W.PEAK ±0.2% (DIN)

Compact disc player

Frequency response
Signal-to-noise ratio
Dynamic range
Harmonic distortion
Channel separation
More than 90 dB
Less than 0.08% (1 kHz)
More than 90 dB (1 kHz)

nnel separation More than 90 dB (1 kHz) 120 V AC, 60 Hz (US Canadian model) 220-230 V AC,50/60 Hz (AEP,IT model)

General

Power requirements 240 V AC, 50 Hz Power consumption 150 W (UK model)

75 W (other models)

Weight Approx. 8.6 kg (18 lb 15oz)

Dimensions Approx. 355 × 380 × 325 mm

(14 × 15 × 12<sup>7</sup>/<sub>5</sub> inches)

(w/h/d, including projections)

Supplied accessories

45-rpm adaptor (1) Remote commander RM-S171 (1) FM wire antenna (1) AM loop antenna (1) Batteries Sony SUM-3 (NS) (2)

Design and specifications subject to change without notice.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol Da are trademarks of Dolby Laboratories Licensing Corporation.



#### SAFETY CHECK-OUT

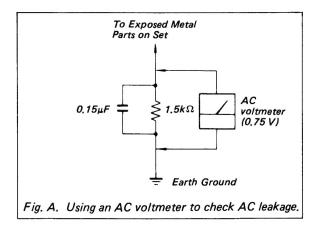
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

#### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)



#### SAFETY-RELATED COMPONENT WARNING!!

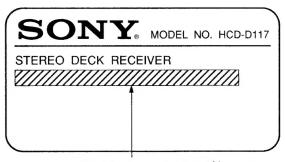
COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

#### **TABLE OF CONTENTS**

Section	<u>Title</u>	Page
SECTION 1. C	GENERAL	3
SECTION 2. D	ISASSEMBLY OF BASE UNIT	4
SECTION 3. A	ADJUSTMENTS	5
SECTION 4.	DIAGRAMS	
4-1.	Printed Wiring Boards — Audio Section —	10
4-2.	Schematic Diagrams — Audio Section —	15
4-3.	Schematic Diagrams — Panel Section —	18
4-4.	Schematic Diagrams — Tuner Section —	21
4-5.	Schematic Diagrams — TC Section —	24
4-6.	Printed Wiring Boards — TC Section —	27
4-7.	Printed Wiring Boards — CD Section —	29
4-8.	Schematic Diagrams — CD Section —	31
4-9.	Circuit Boards Location ·····	34
4-10	Semiconductor Lead Layouts · · · · · · · · · · · · · · · · · · ·	35
SECTION 5. E	EXPLODED VIEWS	
5-1.	Cabinet Section ·····	36
5-2.	Front Panel Section	37
5-3.	Mechanism Section-1	38
5-4.	Mechanism Section-2	39
5-5.	Mechanism Section-3 ·····	40
5-6.	CD Mechanism Section	41
5-7.	Optical Pic-up Block Sectin ·····	42
SECTION 6. E	ELECTRICAL PARTS LIST	43

#### MODEL IDENTIFICATION

- Model Number Portion -



US, Canadian model : AC :  $120\,\mathrm{V}~\sim 60\mathrm{Hz}$  AEP, Germany, Italian , East European model : AC :  $220-230\mathrm{V}~\sim 50/60\mathrm{Hz}$  UK model : AC :  $240\mathrm{V}~\sim 50\mathrm{Hz}$ 

#### ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ASUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

### **SECTION 1 GENERAL**

This section is extracted from instruction manual.

33

# 000 000 00

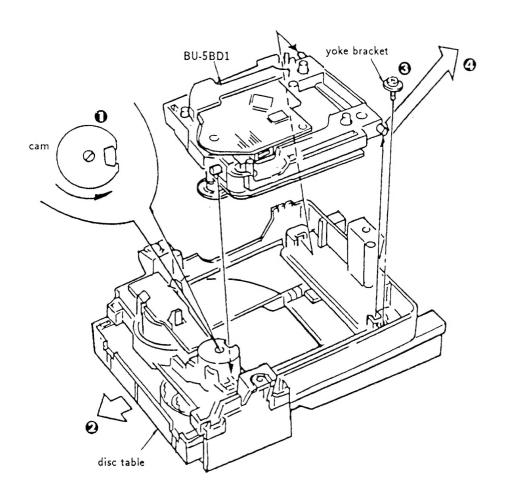
(d)-

# SECTION 2 DISASSEMBLY OF BASE UNIT

#### Note:

Follow the disassembly procedure in the nomerical order given.

- Turn the cam to the direction of arrow (Counter clock wise) by minus screw driver.
- 2 Take off the disc table.
- Remove the yoke bracket.
- Remove the MD (BU-5BD1) to the direction of arrow.



### SECTION 3 ADJUSTMENTS

### 3-1. MECHANICAL ADJUSTMENTS

1. Clean the following parts with a denatured alcoholmoistened swab:

record/playback heads

pinch rollers

erase heads

rubber belts

capstan

idlers

- 2. Demagnetize the record/playback head with a head demagnetizer.
- 3. Do not use a magnetized screwdriver for the adjustments.
- 4. After the adjustments, apply suitable locking compound to the parts adjusted.
- 5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

#### **Torque Measurement**

Torque	Torque meter	Meter reading	
FWD	CQ-102C	30-70g·cm (0.42-0.97oz·inch)	
FWD Back tension CQ-102C		1.5−5.5g•cm (0.020−0.076oz•inch)	
FF. REW	CQ-201B	63g·cm or more (0.87oz·inch)	

#### 3-2. ELECTRICAL ADJUSTMENTS

0dB = 0.775V (AF) $0dB = 0.1 \mu V (RF)$ 

#### CASSETTE DECK SECTION

- Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
- 2. Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- 4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
- The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
- The adjustments should be performed for both L-CH and R-CH.
- Switches and controls should be set as follows unless otherwise specified.

DOLBY NR switch:

TAPE SELECT switch:

OFF TYPE I

Туре	Signal	Used for
P-4-A100	10kHz, -10dB	Azimath Adjustment
P-4-L300	315Hz, 0dB	PB Level Adjustment
WS-48B	3kHz, 0dB	Tape Speed Adjustment

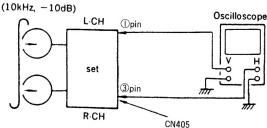
#### Record/Playback Head Azimuth Adjustment

Note: Perform this adjustments for both decks.

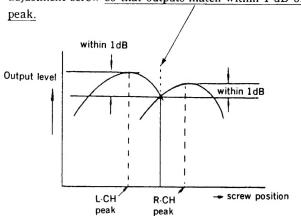
#### Procedure:

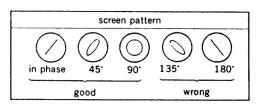
1. Mode: FWD playback

test tape P-4-A100



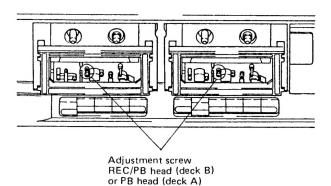
 Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of





After the adjustments, apply suitable locking compound to the parts adjusted.

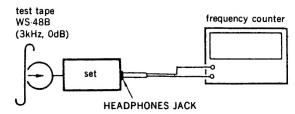
#### Adjustment Location:



#### Tape Speed Adjustment

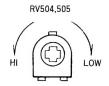
#### Procedure:

Mode: playback



- · High speed adjustment
  - 1. Short pin CN407. Then at HIGH speed mode.
  - Adjust RV504 so that the frequency counter reads 6000 ± 20 Hz.
     (Must be first Adjustment B deck)
- NORMAL speed adjustment
  - Remove the short pin from CN407. Then at NORMAL speed mode.
  - Adjust RV505 so that the frequency counter reads 3000 ±10 Hz.

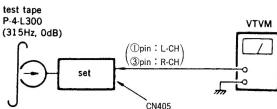
#### Abjustment Location: TC MAIN board



#### Playback Level Adjustment

#### Procedure:

Mode: FWD playback



DECK-A side RV400(L-CH), RV500(R-CH) DECK-B side RV401(L-CH), RV501(R-CH)

so that the limits below are satisfied.

#### Adjustable limits:

CN405 level: 461.6-411.4mV(-4.5-5.5dB) level difference between the channels: within 1.0dB (See page 6 for Adjustment Location)

#### **Record BIAS Current Adjustment**

#### Procedure:

1. Mode: record

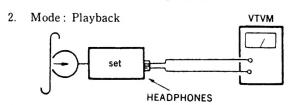
AF OSC

Set

CD IN

1) 315Hz 43.6 mV (-25 dB)

2) 10kHz



- (1) Supply a 43.6mV(-25dB) signal (315Hz) from the CD IN. Adjust the VOLUME control so that a 24.5mV(-30dB) signal is output to the headphones terminal.
- (2) Insert alignment tape CS-122 into deck B and put the set into the REC mode.
- (3) Adjust the signal frequency to 10kHz.
- (4) Put the set into the PB mode and adjust RV403 (L CH) and RV503 (R CH) in the REC mode so that the level difference between 315Hz and 10kHz is within 0±0.5dB.
- (5) Repeatedly put the set into the REC and PB modes two to four times and adjust the bias.

#### Adjustable limits:

The HEADPHONES level of 10kHz signal relative to that of 315Hz:  $0dB\pm0.5dB$ 

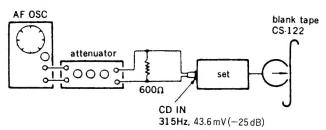
#### **Record Level Adjustment**

#### Setting:

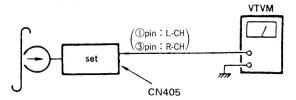
TAPE SELECT: TYPE I

#### Procedure:

Mode: record



2. Mode: playback



- Supply a 43.6 mV (-25 dB) signal (315 Hz) from the CD terminal.
- (2) Insert alignment tape CS-122 into deck B and record the signal. Then playback the recorded portion of the tape and adjust RV402(L-CH) and RV502(R-CH) so that the 43.6 mV (-25 dB) signal output is obtained at CN405 terminal.

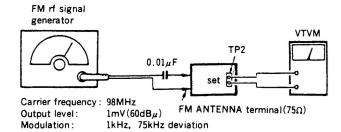
#### Adjustable limits:

CN 405 level : 46.2 - 41.1 mV (-24.5 - 25.5 dB)

#### TUNER SECTION

As FM FRONT-END FE301 is difficult to repair if faulty, replace it with new one.

#### FM NULL Adjustment

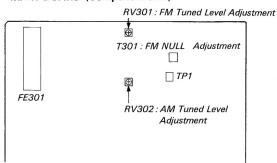


#### Procedure:

- 1. Tune the set to 98 MHz.
- 2. Adjust T301 for 0V reading on the VTVM.

### Adjustment Location:

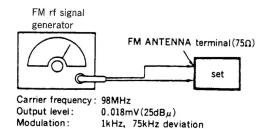
#### MAIN BOARD (Component side)



#### FM Tuned Level Adjustment

#### Setting:

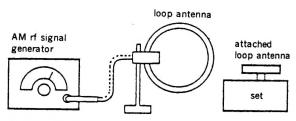
STEREO/MUTE: OFF



#### Procedure:

- 1. Tune the set to 98 MHz.
- Adjust RV302 to the point where "TUNED" sign on FL601 just turns light.

#### AM SECTION



Carrier frequency: 216kHz

Modulation: 400Hz, 30% modulation

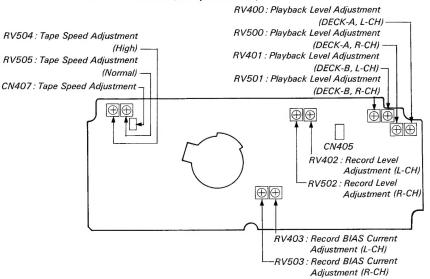
#### **AM Tuned Level Adjustment**

#### AM BAND

- 1. Set loop antenna input level to 2.5mV (50 dB $\mu$ /m) and no signal tuned light should not on.
- 2. Tune the set to 1490kHz.
- 3. Adjust RV301 to the point where "TUNED" sign on FL601 just turns light.

#### Adjustment Location:

#### TC MAIN BOARD (Component side)



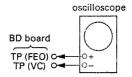
#### 3-3. ELECTRICAL BLOCK CHECKING

#### CD SECTION

#### Note:

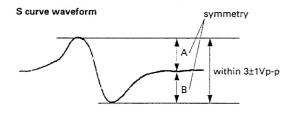
- CD Block basically constructed to operate without adjustment. Therefore, check each item in order given.
- 2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
- 3. Use the oscilloscope with more than  $10M\Omega$  impedance.
- Clean an object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

#### S Curve Check



#### Procedure:

- 1. Connect oscilloscope to test point TP (FEO) on BD board.
- 2. Connect between test point TP (FES) and TP (VC) by lead wire.
- 3. Turned Power switch on and actuate the focus serch. (actuate the focus serch when disc table is moving in and out.)
- Check the oscilloscope waveform (S curve) is symmetrical between A and B. And confirm peak to peak level within 3±1Vp-p.

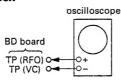


5. After check, remove the lead wire connected in step 2.

Note: • Try to measure several times to make sure that the ratio of A:B or B:A is more than 10:7.

• Take sweep time as long as possible and light up the brightness to obtain best waveform.

#### RF Level Check

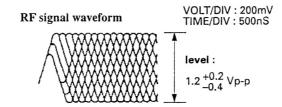


#### Procedure:

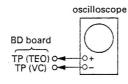
- 1. Connect oscilloscope to test point TP (RFO) on BD board.
- 2. Turn Power switch on.
- 3. Put disc (YEDS-18) in and playback.
- Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

#### Note:

Clear RF signal waveform means that the shape "  $\Diamond$  " can be clearly distinguished at the center of the waveform.



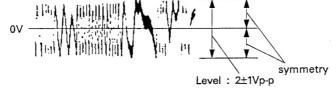
#### E-F Balance Check



#### Procedure :

- Connect test point TP (ADJ) to ground and TP (TES) to TP (VC) with lead wire.
- 2. Connect oscilloscope to test point TP (TEO) on BD board.
- Turn Power switch on.
- 4. Put disc (YEDS-18) in and playback.
- 5. Confirm that the oscilloscope waveform is symmetrical on the top and bottom in relation to 0V, and check this level.

#### Traverse oscilloscope

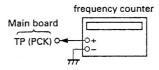


6. Remove the lead wire connected in step 1.

#### RF PLL Free-run Frequency Check

#### Procedure:

1. Connect frequency counter to test point (PCK) with lead wire.



- 2. Turn Power switch on.
- 3. Confirm that reading on frequency counter is 4.3218MHz.

#### Focus/Tracking Gain

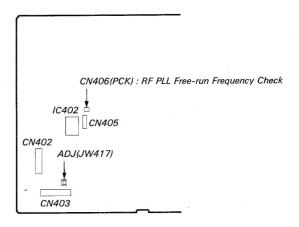
This gain has a margin, so even if it is slightly off.

There is no problem.

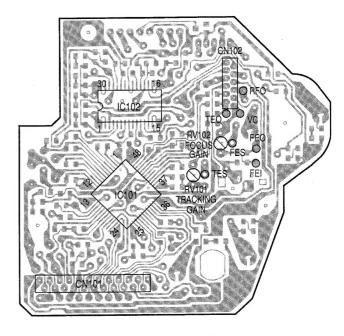
Therefore, do not perform, this adjustment.

Please note that it should be fixed to mechanical center position when you moved and do not know original position.

#### [ MAIN BOARD ] - Component Side -



#### [ BD BOARD ] - Conductor Side -



**SECTION 4 DIAGRAMS** 

4-1. PRINTED WIRING BOARDS -AUDIO Section-

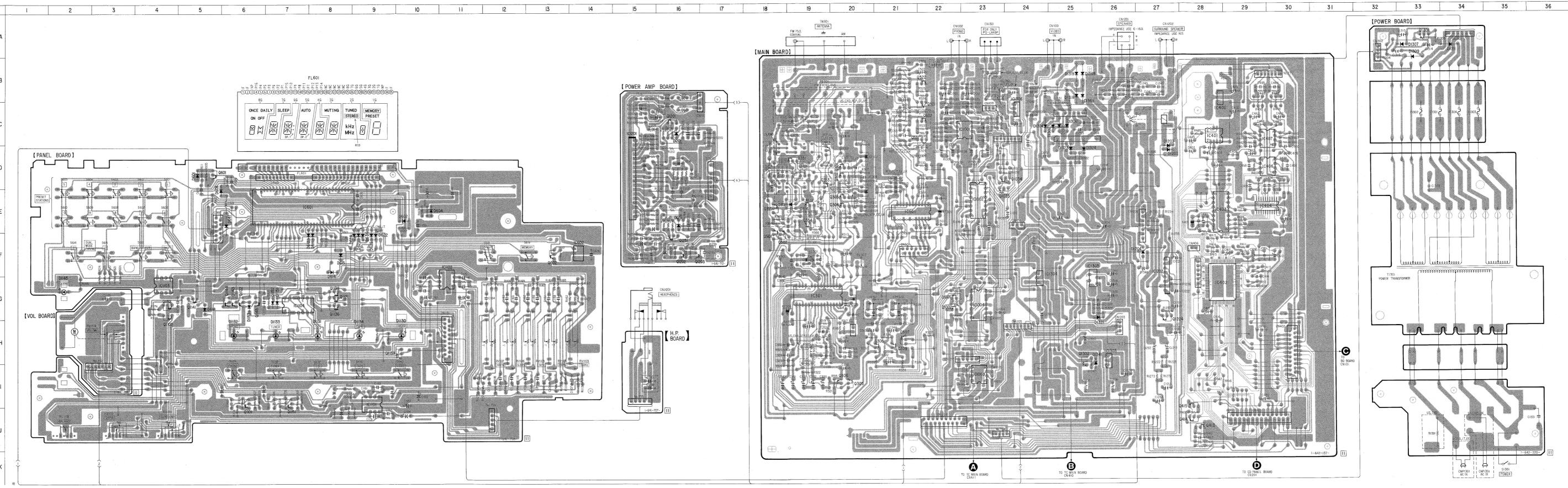
· See page 34 for circuit boards location and semiconductor lead layouts

 Semiconductor Location Ref. No. | Location | Ref. No. | Location | Ref. No. | Location D351 E-18 IC301 G-19 Q522 C-22 D601 D-5 | IC401 | C-28 | Q531 | D-22 D602 E-10 IC402 G-28 Q532 C-22 D603 D-5 | IC404 | E-30 | Q601 | D-5 E-10 | IC406 | D-30 | Q602 | F-13 D604 IC407 C-30 Q1001 G-22 F-8 F-8 | IC501 | E-21 | Q1002 | G-22 D613 F-8 | IC601 | E-8 | Q1034 | D-24 D614 F-8 | IC602 | F-14 | Q1035 | E-23 D618 G-5 | IC1001 | C-23 | Q1101 | I-6 F-9 | IC1002 | E-23 | Q1102 | H-4 D624 F-9 | IC1003 | I-23 | Q1121 | G-8 D625 F-9 IC1004 G-23 Q1122 G-6 D636 F-9 | IC1101 | I-9 Q1136 G-8 E-6 IC1102 F-11 Q1138 G-8 D1130 | H-10 | IC1103 | G-4 | Q1139 | H-9 D1131 H-8 | IC1104 | G-7 | Q1141 | G-5 D1132 H-6 | IC1201 | C-15 | Q1143 | G-6 D1133 H-7 | IC1202 | F-27 | Q1144 | G-6 D1134 H-9 | IC1303 | H-26 | Q1145 | G-6 D1145 G-2 | IC1304 | G-25 | Q1151 | I-7 D1151 G-7 | IC1305 | F-25 | Q1152 | G-4 D1152 G-7 | IC1306 | C-24 | Q1201 | C-16 D1153 G-6 Q1202 F-16 D1201 C-16 Q301 D-20 Q1203 F-16 D1202 D-27 Q302 D-20 Q1204 H-27 D1203 C-27 Q303 E-20 Q1251 F-16 D1204 F-27 Q304 E-20 Q1301 A-33 D1251 E-16 Q305 I-20 Q1302 H-25 D1302 C-26 Q306 I-20 Q1303 C-25 D1318 B-25 Q355 E-18 D1319 B-25 Q356 E-19 D1321 | H-26 | Q413 | J-28 D1323 D-25 Q414 J-28 D1324 D-25 Q415 J-28 D1341 H-26 Q501 F-18 D1368 B-25 Q502 F-18 D1369 B-25 Q521 C-22 parts extracted from the component side.

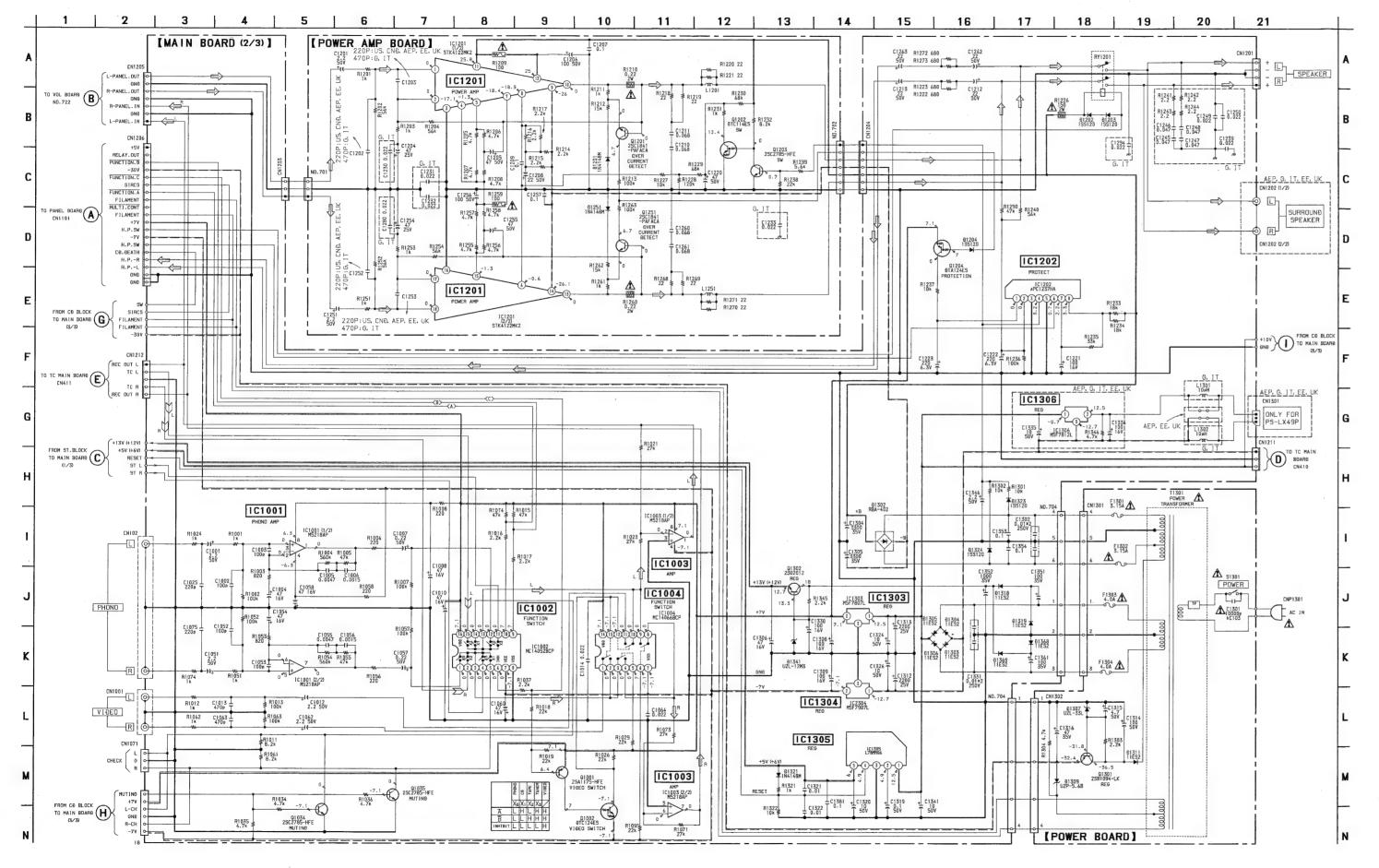
CND: Canadian G:Germany

IT: Italian

EE : East European

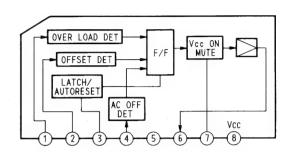


#### 4-2. SCHEMATIC DIAGRAMS -AUDIO Section-



#### • IC Block Diagrams

#### IC1202 µPC1237HA



- All capacitors are in  $\mu F$  unless otherwise noted. pF:  $\mu \mu F$ 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\frac{1}{4}W$  or less unless otherwise specified.
- △ : internal component.
- nonflammable resistor.
- fusible resistor.
- rinted resistor.

Note: The components identified by mark or dotted line with mark	Note: Les composants identifiés par une marque A sont critiques pour la sécurité.
are critical for safety.	Ne les remplacer que par une
Replace only with part	pièce portant le numéro spéci-
number specified.	fié.

- e : B+ Line
- e : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- $\bullet$  Voltages are taken with a VOM (Input Impedance 10M  $\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- Signal path.

⇒ : FM > : PB (DECK A)

CND: Canadian

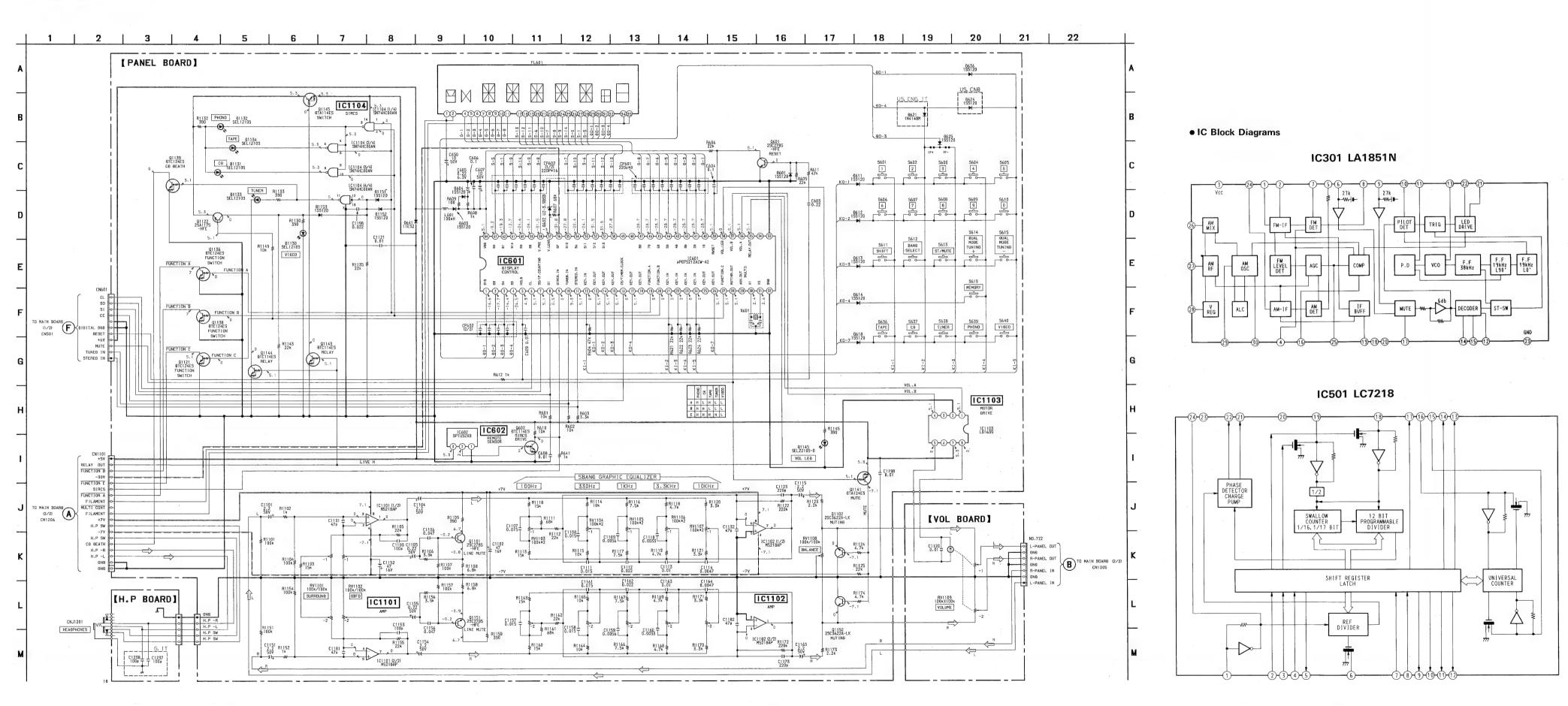
G:Germany

IT: Italian

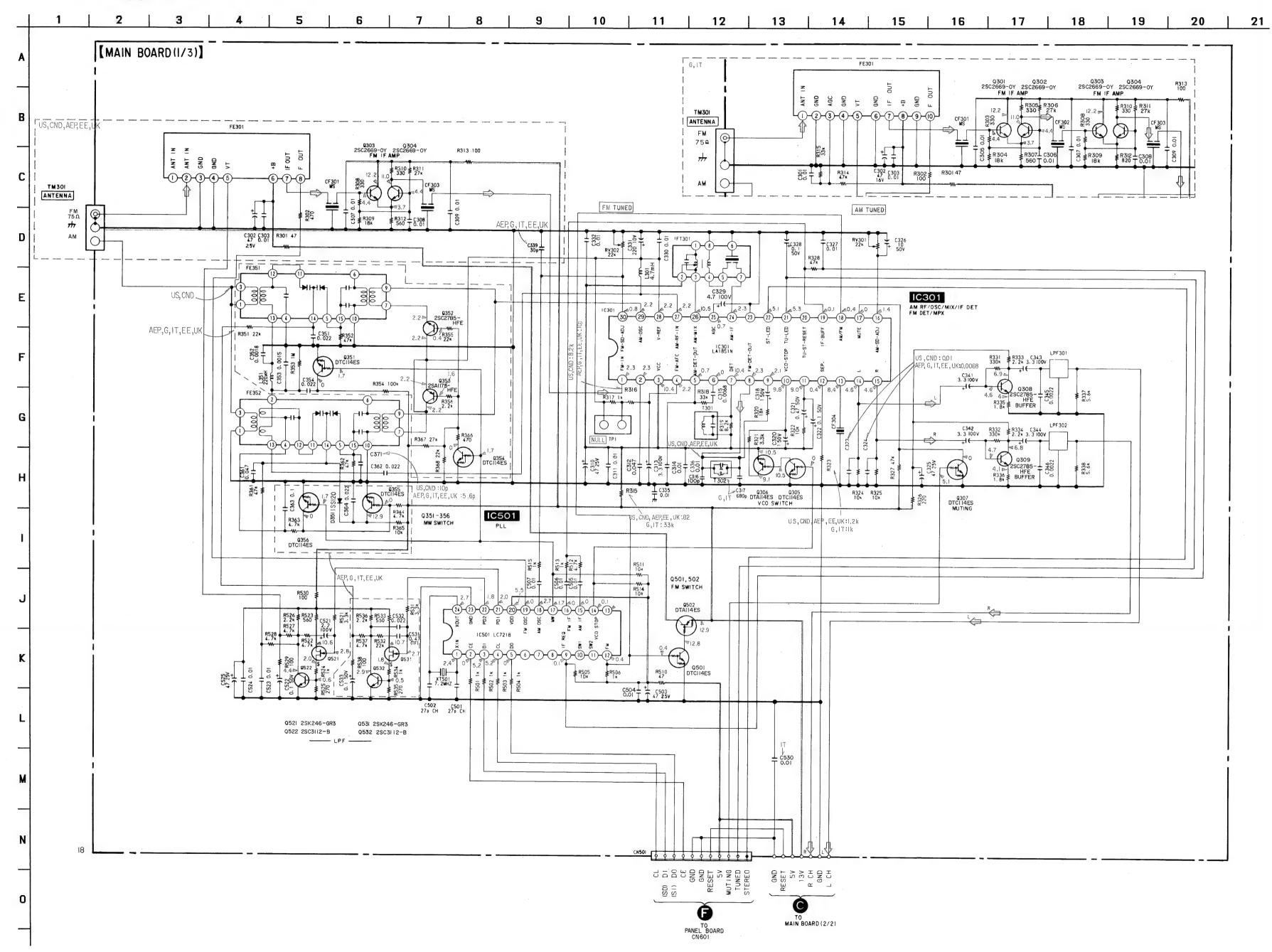
EE: East European

#### 4-3. SCHEMATIC DIAGRAMS -PANEL Section-

· See page 17 for note.



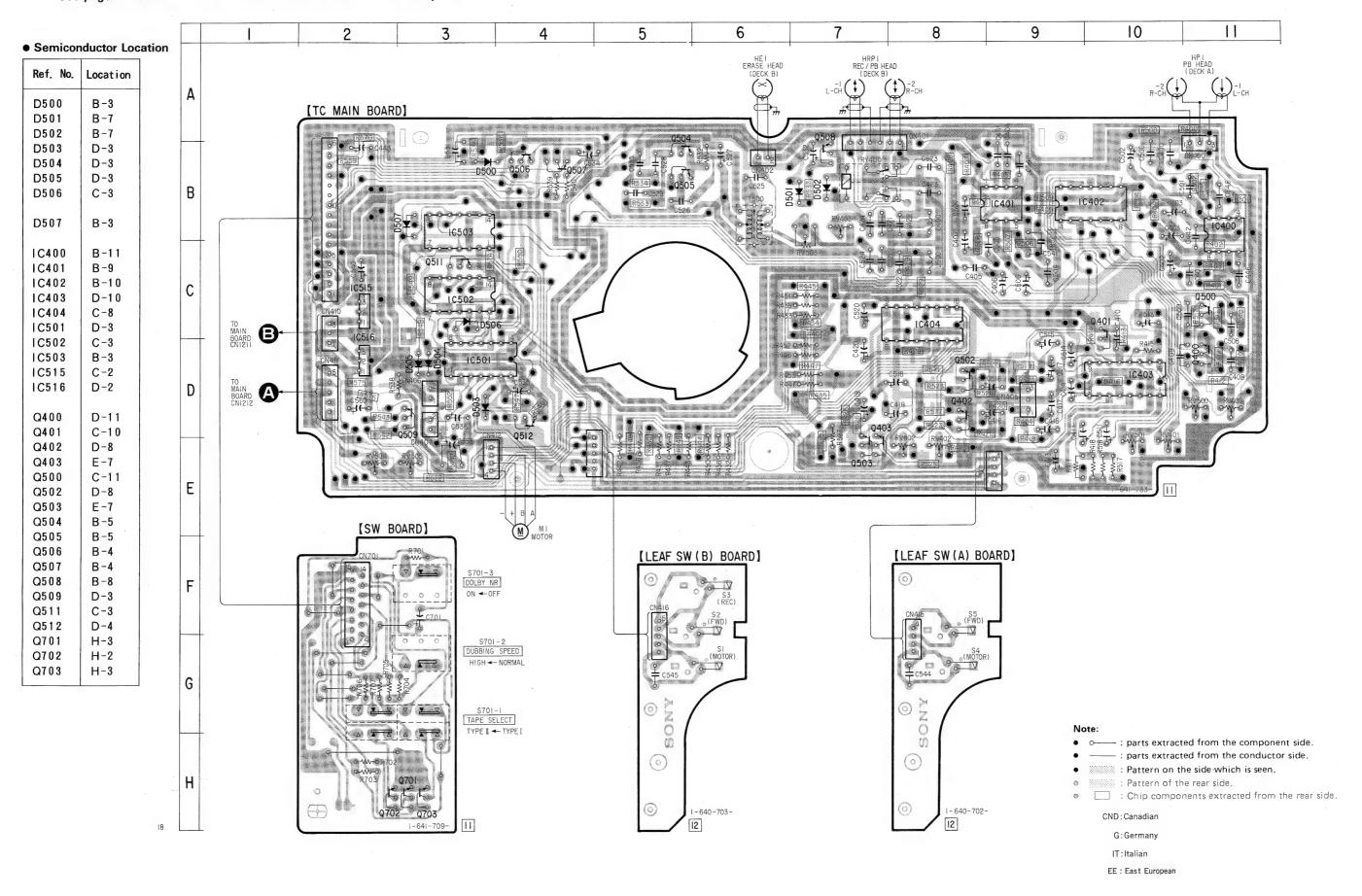
· See page 17 for note.



· See page 17 for note. 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 1 | 2 | [TC MAIN BOARD] R404 220 IC402 MCI4066BCP DECK SELECT REC L REC R PB R GND PB L C511 IC403 REC R
PB R
MAIN BOARD (2/2)
CNI212 ₹₩ RV400 10 k 9400,500 DTC144ES EQ SWITCH CXAII98AP REC EQ AMP High R431 33 k R437 47 k R443 36k IC400 R432 36k -W/ R444 22k R438 62k IC403 IC404 IC401 R409 220 R433 I50k R445 62k μPC4570C-I AMP R511 15k IC Block Diagrams R434 82k 130k C508 T0.0047 IC403 CXA1100AP R435 |50k R441 130k Q401 DTCI44ES REC/PB SWITCH Q402,502 2SC2785-HFE MUTING \$\mathfrak{1}\math R427 T C419 ₹ RV5DI IOk C420 + 10 T +\_\_C507 100 10V VF R416 22k Q403,503 2SC2785 - HFE REC MUTING R57i 100k **≸** -02345608-S701-3 DOLBY NR L400 27mH R429 12k w DECK B IC404 CXA1198AP Q507 DTA114ES BIAS SWITCH Q506 2SC1815 BIAS CTL GH REF VCC (R) (R) (R) TAPE SELECTOR -3 TA TA- 4 TYPE I - TYPE I (120A) (70A) CONTROL RY 400 L - ( R706 820 f/Q fQ fM REF VEE IN GND OUT GND (L) (L) (L) 0703 HE I
ERASE HEAD DTC 144ES EQ SWITCH R534 ,27k Q504,505 2SC945-P BIAS OSC (SW BOARD) CN406 IC501 (3/4) Q511 IC515 ± C540 7 470 10V PD40IBC AMP D504 Q512 DTC144ES H/L SWITCH R547-7.1 IC501 (1/4) 6.8k y 1 3 0 3 0 7.0 7.0 R548 MAIN BOARD (2/2) C544 0.1 Q511 DTAI44ES 105021 (4/4) = †⊥ C536 ↑ 1 100V ± C560 470 IOV + -7.0 C53 5 R548 4.7 100V 5.6k IC516 M5F7907L [LEAF SW (A) BOARD] CN410 C545 0.1 Q509 2SA1175-HFE H/L SWITCH IC501 {4/4} LEAF SW(B) BOARD D503-507 IN4I48M IC503 µPD40IIBC AMP

#### 4-6. PRINTED WIRING BOARDS -TC Section-

· See page 34 for circuit boards location and semiconductor lead layouts.

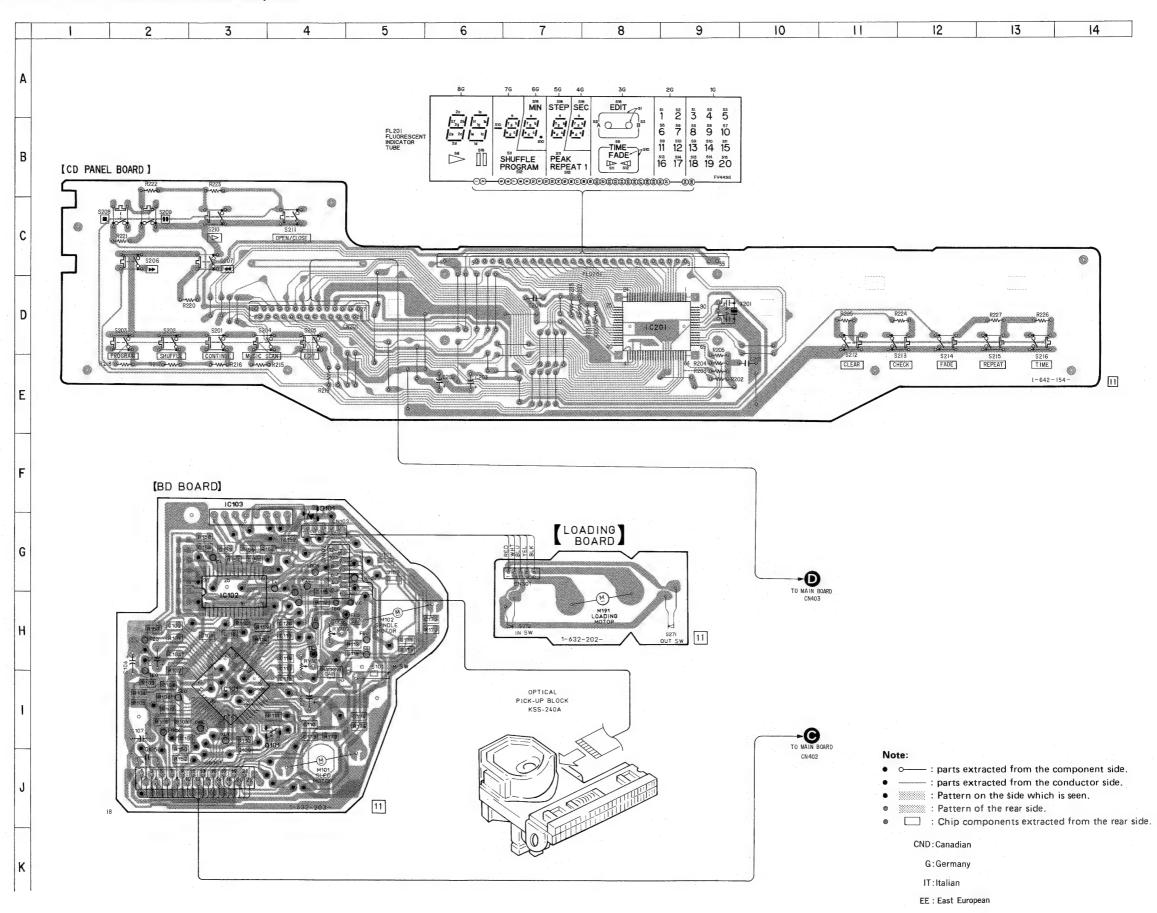


#### 4-7. PRINTED WIRING BOARDS -CD Section-

· See page 34 for circuit boards location and semiconductor lead layouts.

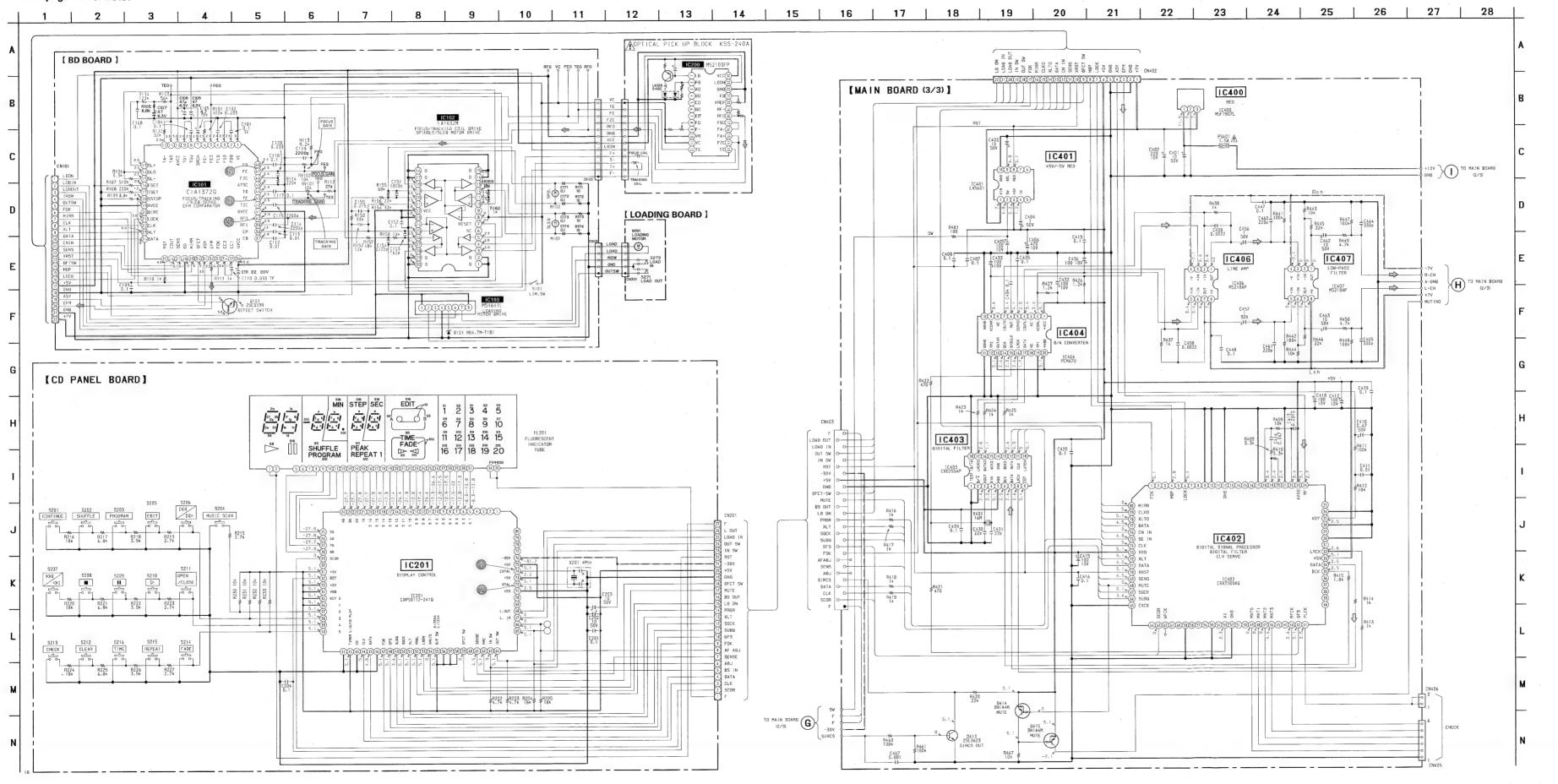
#### Semiconductor Location

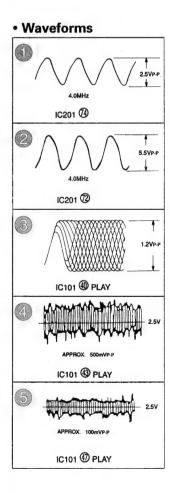
Ref. No.	Location
D101	F-4
IC101	I -3
IC102	H-3
IC103	F-3
IC201	D-8
Q101	-4



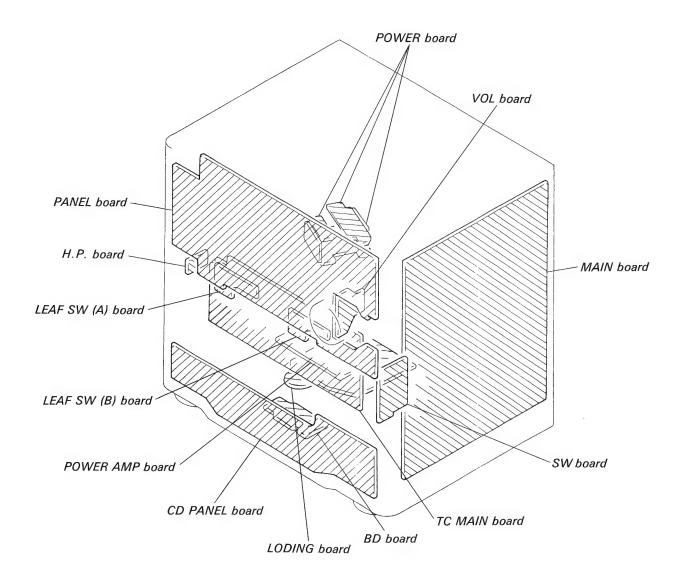
#### 4-8. SCHEMATIC DIAGRAMS -CD Section-

· See page 17 for note.





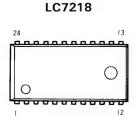
### 4-9. CIRCUIT BOARDS LOCATION

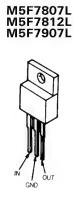


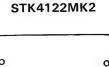
#### 4-10. SEMICONDUCTOR LEAD LAYOUTS

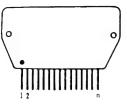
# **CXA1372AQ** 22 \_ RARRARARARA 28 1 (TOP VIEW) L78MR06





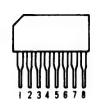




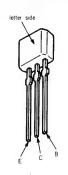


μ**PC1237HA** 

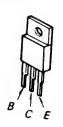
(Making side View)



2SA1175-HFE 2SC2785-HFE



2SB1094-LK 2SC1815-Y 2SD2012



2SC1841-PAFAEA



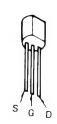
2SC2669-OY 2SC3623A-LK DTA114ES DTA124ES DTA144ES DTC114ES DTC124ES DTC144ES



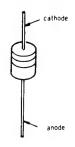
2SC3112-B 2SC3623A-LK 2SC945-P



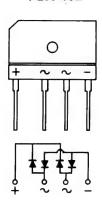
2SK246-GR3



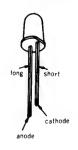
11ES2 1SS120 UZ-3.9BSB UZL-12M3 UZL-33L UZP-5.6B



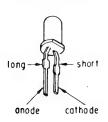
PBA-402



**SEL1210S** 



SEL2210S-D



### SECTION 5 EXPLODED VIEWS

#### NOTE:

\* 12

4-949-235-01 HOOK

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts Example:

KNOB, BALANCE(WHITE)...(RED)

↑ ↑

Parts color Cabinet's color

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- hardware (#mark) list is given in the last of this parts list.

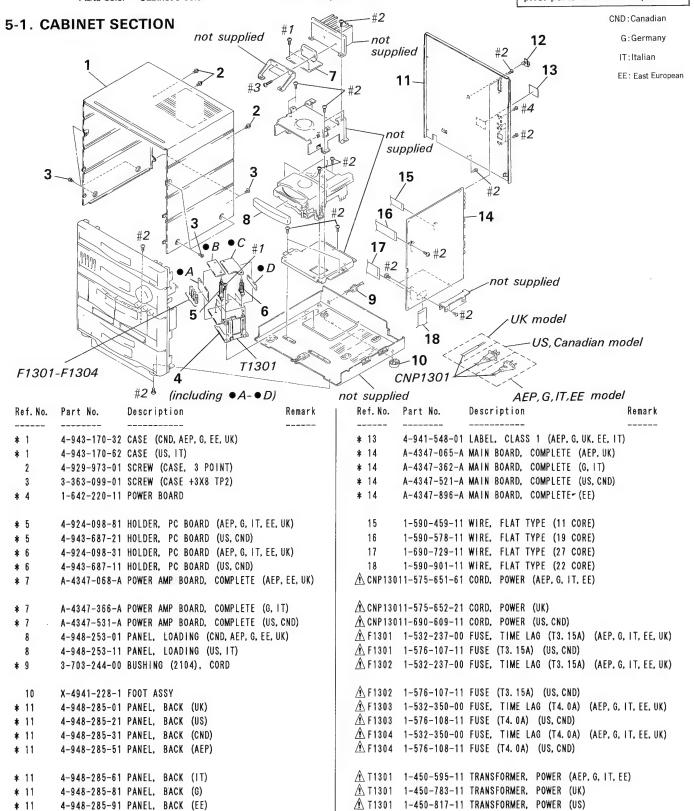
The components identified by mark  $\bigwedge$  or dotted line with mark  $\bigwedge$  are critical for safety.

Replace only with part number

specified.

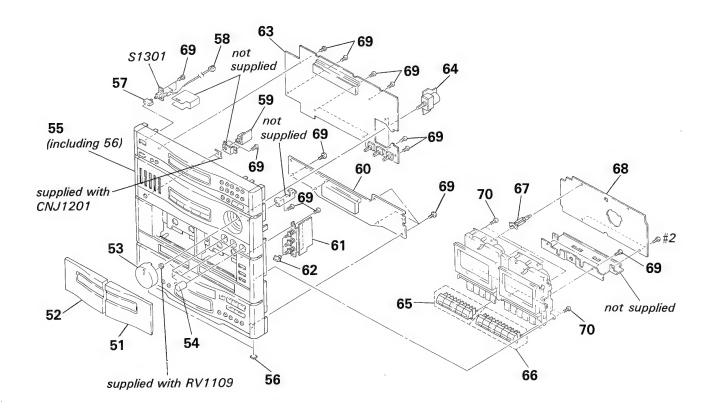
Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.



⚠ T1301 1-450-818-11 TRANSFORMER, POWER (CND)

#### 5-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Descri
51	A-4325-347-A	LID (B) ASSY, CASSETTE	(CND. AEP. G. EE. UK)	* 61	1-641-709-11	SW BOAL
51		LID (B) ASSY, CASSETTE		62	4-948-257-01	BUTTON
52		LID (A) ASSY, CASSETTE		* 63	A-4347-061-A	PANEL
52		LID (A) ASSY, CASSETTE		* 63	A-4347-360-A	
53		KNOB (VO) ASSY	(55) (1)	* 63	A-4347-519-A	PANEL
54	4-948-270-01	KNOB (DSB)		* 63	A-4347-894-A	PANEL
55		PANEL ASSY, FRONT (AEP,	G. EE. UK)	* 64	1-641-706-11	VOL BO
55		PANEL ASSY, FRONT (IT)		65	4-948-258-01	BUTTON
55	A-4325-548-A	PANEL ASSY, FRONT (CND)		66	4-948-259-01	BUTTON
55	* .	PANEL ASSY, FRONT (US)		* 67	4-924-098-31	HOLDER,
56	4-948-236-01	CUSHION (107)		* 68	A-4345-901-A	TC MAI
57	4-930-783-11					
58		CORD (WITH CONNECTOR)		* 68	A-4347-525-A	TC MAI
* 59	1-641-707-11	H. P. BOARD		69	4-928-635-01	SCREW,
* 60		CD PANEL BOARD, COMPLET	rE	70	4-928-635-21	SCREW,
	1011 000 11			<b>№</b> \$1301	1-572-267-61	SWITCH.

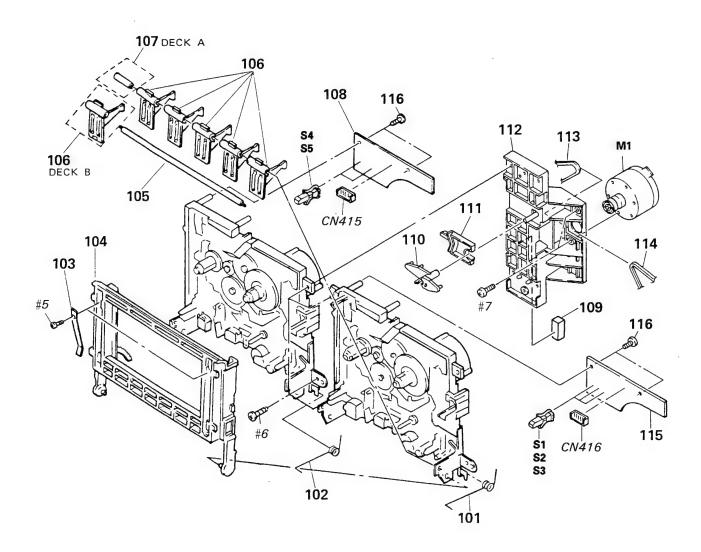
Ref. No.	Part No.	Description Remark
<b>*</b> 61	1-641-709-11	SW BOARD
62	4-948-257-01	BUTTON (DDT)
* 63	A-4347-061-A	PANEL BOARD, COMPLETE (AEP, G, UK)
* 63	A-4347-360-A	PANEL BOARD, COMPLETE (IT)
* 63	A-4347-519-A	PANEL BOARD, COMPLETE (US, CND)
* 63	A-4347-894-A	PANEL BOARD, COMPLETE (EE)
* 64	1-641-706-11	VOL BOARD
65	4-948-258-01	BUTTON (MD-A)
66	4-948-259-01	BUTTON (MD-B)
* 67	4-924-098-31	HOLDER, PC BOARD
* 68	A-4345-901-A	TC MAIN BOARD, COMPLETE
		(US, AEP, G, IT, EE, UK)
* 68	A-4347-525-A	TC MAIN BOARD, COMPLETE (CND)
69	4-928-635-01	SCREW. +BV (2.6X8) TAPPING
70	4-928-635-21	SCREW, +BV (2.6X10) TAPPING
<u> </u>	1-572-267-61	SWITCH, PUSH (AC POWER) (1 KEY)

The components identified by mark \( \frac{\hat{\Lambda}}{\text{or dotted line with mark}} \) are critical for safety. Replace only with part number

Les composants identifiés par une marque A sont critiques pour la sécurité.

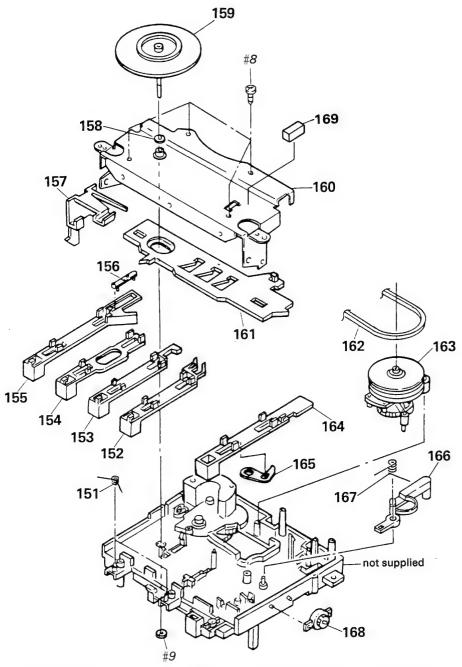
Ne les remplacer que par une pièce portant le numéro spécifé.

### 5-3. MECHANISM DECK SECTION-1 (TCM-180VW-H7)



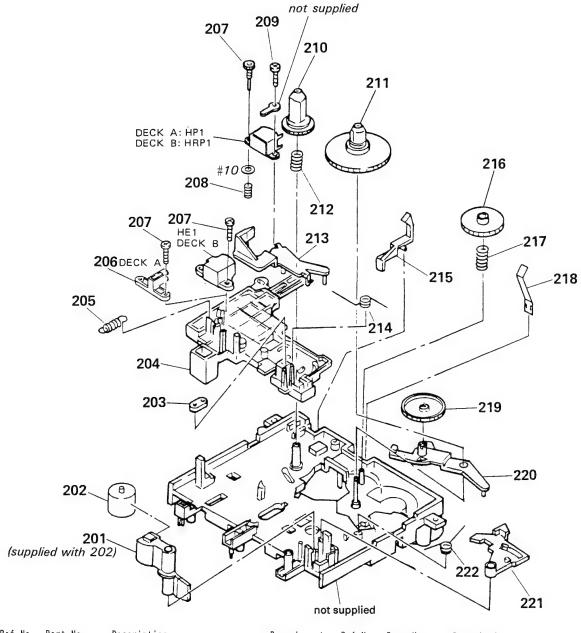
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	3-358-287-01	SPRING (LOADING A), TORSION		113	3-358-230-01	BELT (A1)	
102	3-358-229-01	SPRING (LOADING), TORSION		114	3-364-777-01	BELT (WH)	
103	3-358-209-01	SPRING (CASSETTE HOLDER), LEAF		* 115	1-640-703-12	LEAF SW (B) BOARD	
104	3-358-266-02	HOLDER, CASSETTE		116	4-928-635-01	SCREW +BV (2.6X8) TAPPING	
105	3-371-917-01	SHAFT (BUTTON SHAFT 4)		* CN415	1-568-942-11	PIN, CONNECTOR 4P	
106	3-369-335-01	LEVER (BUTTON BASE F)		* CN416	1-568-943-11	PIN, CONNECTOR 5P	
* 107	3-358-216-01	COLLAR (DECK A)		M1	X-3362-377-1	MOTOR (WH) ASSY	
* 108	1-640-702-12	LEAF SW (A) BOARD		\$1	1-571-736-11	SWITCH, LEAF (MOTOR)	
<b>*</b> 109	3-358-289-01	SPACER (VIBRATION PROOF MAT)		\$2	1-571-736-11	SWITCH, LEAF (FWD)	
110	3-358-203-01	LEVER (TRIGGER)		\$3	1-571-736-11	SWITCH, LEAF (REC)	
111	3-358-202-01	SLIDER (TRIGGER)		\$4	1-571-736-11	SWITCH, LEAF (MOTOR)	
* 112	3-363-930-01	BRACKET (JOINT BASE)		\$5	1-571-736-11	SWITCH, LEAF (FWD)	

### 5-4. MECHANISM DECK SECTION-2 (TCM-180VW-H7)



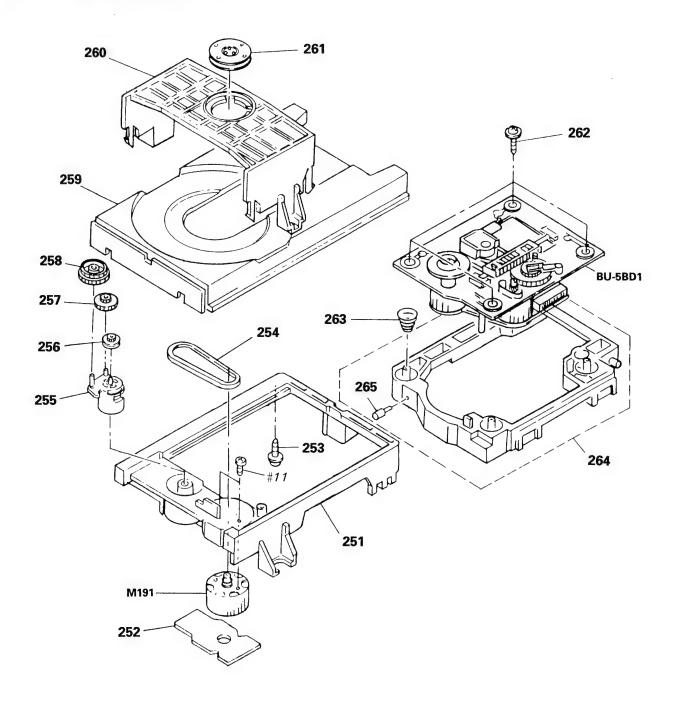
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-358-232-01	SPRING (S-P F-R), TORSION		* 161	3-358-249-01	SLIDER (LOCK PLATE)	
152	3-358-258-01	SLIDER (REW)		162	3-358-230-01	BELT (A1)	
153	3-358-257-01	SLIDER (FF)		163	X-3358-202-1	LEVER (FR ARM) ASSY	
154	3-358-256-01	SLIDER (STOP/EJECT)		164	3-358-259-01	SLIDER (REC) (DECK B)	
155	3-358-260-01	SLIDER (PAUSE)		* 165	3-358-204-01	LEVER (REC SAFETY) (DECK B)	
<b>*</b> 156	3-358-226-01	LEVER (PAUSE LEVER)		166	3-358-286-01	LEVER (MOTOR LEVER)	
<b>*</b> 157	3-358-261-02	SLIDER (HOLDER LOCK)		167	3-358-214-01	SPRING (LOCK), TORSION (DECK /	١)
158	3-701-437-01	WASHER		167	3-358-233-01	SPRING (REC-LOCK), TORSION (DE	CK B)
159	X-3358-205-1	FLYWHEEL (A) ASSY (DECK A)		168	3-319-224-41	DAMPER, SMALL	
159	X-3358-206-1	FLYWHEEL (B) ASSY (DECK B)		* 169	3-358-289-01	SPACER (VIBRATION PROOF MAT)	
* 160	X-3358-208-1	BRACKET (B) ASSY					

### 5-5. MECHANISM DECK SECTION-3 (TCM-180VW-H7)



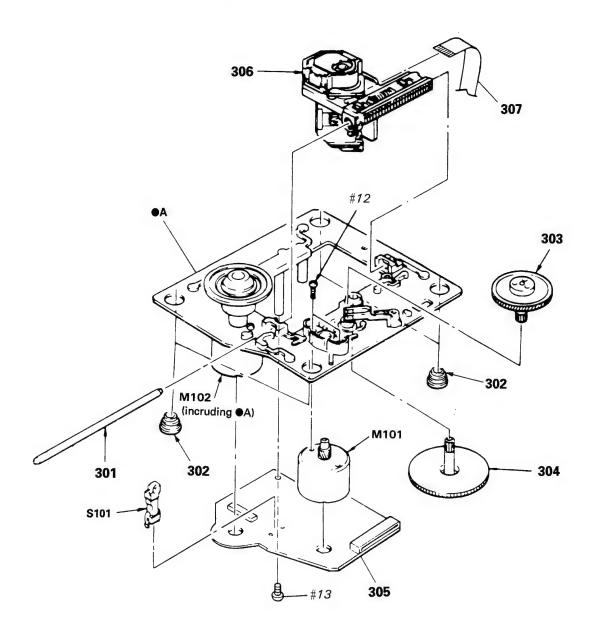
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	X-3358-204-1	LEVER (PINCH LEVER) ASSY		214	3-358-228-01	SPRING, TORSION	
202	3-578-143-11	PINCH ROLLER		* 215		LEVER (GB LEVER)	
* 203	3-358-215-01	BUSHING (WIRE KIT RETAINER)		<b>*</b> 216		GEAR (FF GEAR)	
204	3-358-265-01	SLIDER (HEAD PC BOARD A)		217		SPRING (FF GEAR), COMPRESSION	
205	3-358-217-01	SPRING, TENSION		218		SPRING, LEAF	
* 206	3-363-931-01	GUIDE, TAPE (DECK A)		* 219	3-358-284-01	GEAR (TU GEAR)	
207	3-358-288-11	SCREW (T), AZIMUTH		* 220		LEVER (TU ARM)	
208	3-358-234-01	SPRING (AZIMUTH), COMPRESSION		* 221		LEVER (SHUT-OFF LEVER)	
209	3-358-288-01	SCREW (T), AZIMUTH	ĺ	222		SPRING (TU-SHUT), TORSION	
210	3-358-248-01	GEAR (SUPPLY REEL)		HE1		HEAD, MAGNETIC (ERASE) (DECK B	i)
211	X-3358-203-1	TABLE (T) ASSY, REEL		HP1	1-543-319-11	HEAD, MAGNETIC (PB) (DECK A)	
212	3-358-208-01	SPRING (SUPPLY), COMPRESSION		HRP1		HEAD, MAGNETIC (REC/PB) (DECK	R)
* 213	3-358-251-01	LEVER (TENSION DETECTION ARM)				(120) 10) (520)	,

### 5-6. CD MECHANISM SECTION



Ref. No	o. Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	4-933-111-01	CHASSIS (MD)		259	4-949-336-01	TABLE, DISK	
252	* 1-632-202-11	LOADING BOARD		260	4-933-110-01	HOLDER (MG)	
253	* 4-917-583-21	BRACKET, YOKE		261	* 1-452-538-11	MAGNET	
254	4-927-649-01	BELT		262	4-933-134-01	SCREW (+PTPWH M2.6X6)	
255	4-933-109-01	CAM		263	4-917-541-01	SPRING (B)	
256	4-927-651-01	PULLEY (S)		264	4-933-129-04	HOLDER (BU)	
257	4-927-628-01	GEAR (C)		265	4-933-108-01	SHAFT (CAM)	
258	4-933-107-01	GEAR (PL)		M191	A-4604-363-A	MOTOR (L) ASSY	

#### 5-7. OPTICAL PICK-UP BLOCK SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	4-917-565-01	SHAFT, SLED		<u> 1</u> 306	8-848-144-11	DEVICE, OPTICAL KSS-240A	
302	4-933-126-01	INSULATOR (A)		307	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
303	4-917-567-01	GEAR (M)		M101	X-4917-504-1	MOTOR ASSY (SLED)	
304	4-917-564-01	GEAR (P), FLATNESS		M102	X-4917-523-3	MOTOR ASSY (SPINDLE)	
305	A-4617-161-A	BD BOARD, COMPLETE		\$101	1-572-085-11	SWITCH, LEAF	

The components identified by mark A or dotted line with mark A are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifé.

## SECTION 6 ELECTRICAL PARTS LIST

BD

#### NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- RESISTORS
   All resistors are in ohms
   METAL:Metal-film resistor
   METAL OXIDE:Metal Oxide-film resistor
   F:nonflammable
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ , for example: uA...: μA..., uPA...: μPA..., uPB...: μPC.... μPC..., uPD...: μPD...
- CAPACITORS uF: μF
- · COILS uH: μH

When indication parts by reference number, please include the board name.

The components identified by mark \( \int \) or dotted line with mark \( \int \) are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque  $\bigwedge$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifé.

CND: Canadian

G:Germany

IT: Italian

EE: East European

			EE: East European										
Ref. No.	Part No.	Description			mark	Ref. No.	Part No.	Description	Remar	·k			
		BD BOARD, COMPI					< CONNECTOR >						
						CN101	1-568-796-11	SOCKET, CONNECTOR 22P					
		< CAPACITOR >				CN102	1-568-795-11	SOCKET, CONNECTOR 12P					
						CN103	1-564-721-11	PIN, CONNECTOR (SMALL TYPE)	5P				
C101	1-163-038-00	CERAMIC	0. 1uF		25V								
C102	1-163-989-11	CERAMIC	0.033uF	10%	25V			< DIODE >					
C103	1-126-163-11	ELECT	4. 7uF	20%	50 V								
C104	1-163-038-00	CERAMIC	0. 1uF		25V	D101	8-719-021-25	DIODE UZM4. 7X					
C105	1-126-154-11	ELECT	47uF	20%	6.3V								
								< 10 >					
C106	1-126-154-11	ELECT	47uF	20%	6.3V								
C107	1-126-154-11	ELECT	47uF	20%	6. 3V	IC101	8-752-053-73	IC CXA1372AQ					
C108	1-163-038-00	CERAMIC	0. 1uF		25V	IC102	8-759-822-36	IC LA6532M					
C109	1-163-038-00	CERAMIC	0. 1uF		25V	IC103	8-759-633-65	IC M54641L					
C110	1-163-989-11	CERAMIC	0.033uF	10%	25V								
								< JACK >					
C111	1-131-367-00	TANTALUM	22uF	20%	20V								
C112	1-164-232-11	CERAMIC	0. 01uF	10%	50V	J101	1-216-295-00	METAL GLAZE 0	5% 1,	1/101			
C113	1-164-232-11	CERAMIC	0. 01uF	10%	50V	J102	1-216-295-00	METAL GLAZE 0	5% 1	/10			
C114	1-164-161-11	CERAMIC	0.0022uF	10%	100V								
C115	1-164-161-11	CERAMIC	0.0022uF	10%	100V			< TRANSISTOR >					
C117	1-163-038-00	CERAMIC	0. 1uF		25V	0101	8-729-901-01	TRANSISTOR DTC144EK					
C118	1-163-038-00	CERAMIC	0. 1uF		25V								
C119	1-164-161-11	CERAMIC	0.0022uF	10%	100V			< RESISTOR >					
C120	1-163-989-11	CERAMIC	0.033uF	10%	25V								
C151	1-163-019-00	CERAMIC	0.0068uF	10%	50V	R101	1-216-097-00	METAL GLAZE 100K	5% 1.	/10			
						R102	1-216-095-00	METAL GLAZE 82K	5% 1,	1/101			
C152	1-163-038-00	CERAMIC	0. 1uF		25V	R103	1-216-091-00	METAL GLAZE 56K	5% 1,	/101			
C153	1-163-006-11	CERAMIC	560pF	10%	50V	R104	1-216-099-00	METAL GLAZE 120K	5% 1.	/10\			
C154	1-164-161-11	CERAMIC	0.0022uF	10%	100V	R105	1-216-069-00	METAL GLAZE 6.8K	5% 1,	//10			
C155	1-163-023-00	CERAMIC	0. 015uF	10%	50V								
C171	1-163-038-00	CERAMIC	0. 1uF		25V	R106	1-216-061-00	METAL GLAZE 3.3K	5% 1.	/10\			
						R107	1-216-114-00		5% 1	/10\			
C172	1-163-038-00	CERAMIC	0. 1uF		25V	R108	1-216-105-00	METAL GLAZE 220K	5% 1	1/101			
C173	1-163-038-00	CERAMIC	0. 1uF		25V	R109	1-216-061-00		5% 1	1/101			
C174	1-163-038-00	CERAMIC	0. 1uF		25V	R110	1-216-049-00	METAL GLAZE 1K	5% 1	/10			
						R111	1-216-049-00	METAL GLAZE 1K	5% 1.	1/101			

BD	CD	PANEL	H.P.
	0		

Ref. No.	Part No.	Description			mark	Ref. No.	Part No.	Descript				Remark
R112	1-216-083-00		27K	5%	1/10W	R203	1-249-425-11			4. 7K	5%	1/4W
R113	1-216-071-00		8. 2 K	5%	1/10W	R204	1-249-432-11			18K	5%	1/4W
	1-216-105-00		220K	5%	1/10W		1-249-432-11			18K	5%	1/4W
R152	1-216-073-00		10K	5%	1/10W	R215	1-249-422-11			2. 7K		1/4W
11102	7 210 010 00	MCTAC OLAZE	TOR	070	1, 1011	112.10				2	• • • • • • • • • • • • • • • • • • • •	.,
R153	1-216-085-00	METAL GLAZE	33K	5%	1/10W	R216	1-249-432-11	CARBON		18K	5%	1/4W
R154	1-216-085-00	METAL GLAZE	33K	5%	1/10W	R217	1-249-427-11	CARBON		6.8K	5%	1/4W
R155	1-216-093-00	METAL GLAZE	68K	5%	1/10W	R218	1-249-424-11	CARBON		3.9K	5%	1/4W
R156	1-216-081-00	METAL GLAZE	22K	5%	1/10W	R219	1-249-422-11	CARBON		2.7K	5%	1/4W
R157	1-216-079-00	METAL GLAZE	18K	5%	1/10W	R220	1-249-432-11	CARBON		18K	5%	1/4W
R158	1-216-079-00	METAL GLAZE	18K	5%	1/10W	R221	1-249-427-11	CARBON		6.8K	5%	1/4W
R159	1-216-079-00	METAL GLAZE	18K	5%	1/10W	R222	1-249-424-11	CARBON		3.9K	5%	1/4W
R160	1-216-049-00	METAL GLAZE	1K	5%	1/10W	R223	1-249-422-11	CARBON		2.7K	5%	1/4W
R171	1-216-001-00	METAL GLAZE	10	5%	1/10W	R224	1-249-432-11	CARBON		18K	5%	1/4W
R172	1-216-001-00	METAL GLAZE	10	5%	1/10W	R225	1-249-427-11	CARBON		6.8K	5%	1/4W
R173	1-216-001-00	METAL GLAZE	10	5%	1/10W	R226	1-249-424-11	CARBON		3. 9K	5%	1/4W
	1-216-001-00		10	5%	1/10W	R227	1-249-422-11			2. 7K		1/4W
NITT	1 210 001 00	METAL VENEL	, ,	010	,,	R230	1-249-429-11			10K	5%	1/4W
		< VARIABLE RESI	STOR >			R231	1-249-429-11			10K	5%	1/4W
		VANITABLE NEOF	01011 /			R232	1-249-429-11			10K	5%	1/4W
RV101	1-238-016-11	RES, ADJ, CARBO	N 10K			HEVE	1 240 420 11	Ombon		1011	070	17 111
		RES, ADJ, CARBO				R233	1-249-429-11	CARBON		10K	5%	1/4W
		< SWITCH >						< SWITCI	۱ >			
\$101	1-572-085-11	SWITCH, LEAF				\$201	1-554-303-21	SWITCH,	TACTILE	(CONT	INUE)	
******	*********	******	*********	*****	****	\$202	1-554-303-21	SWITCH,	TACTILE	(SHUF	FLE)	
						\$203	1-554-303-21	SWITCH,	TACTILE	(PROG	RAM)	
*	A-4347-069-A	CD PANEL BOARD,	COMPLETE			\$204	1-554-303-21	SWITCH,	TACTILE	(MUSI	C SCAN)	
		*********	*****			\$205	1-554-303-21	SWITCH,	TACTILE	(EDIT)	)	
*	4-921-941-01	CUSHION (FL)				\$206	1-554-303-21	SWITCH,	TACTILE	(▶▶)		
*	4-942-301-01	HOLDER, FL TUBE				\$207	1-554-303-21	SWITCH,	TACTILE	(◀◀)		
						\$208	1-554-303-21	SWITCH,	TACTILE	<b>(</b>		
		< CAPACITOR >				\$209	1-554-303-21	SWITCH,	TACTILE	(II)		
						\$210	1-554-303-21	SWITCH,	TACTILE	<b>(▶)</b>		
C201	1-164-159-11	CERAMIC	0. 1uF		50V							
C202	1-124-261-00		10uF	20%	50V	\$211	1-554-303-21	SWITCH,	TACTILE	(OPEN	/CLOSE	1
	1-124-261-00		10uF	20%	50V	\$212	1-554-303-21	SWITCH.	TACTILE	(CLEA	R)	
	1-164-159-11		0. 1uF		50V		1-554-303-21				•	
0204	1 104 100 11	O E I I I I I I I I I I I I I I I I I I	** 141		***		1-554-303-21					
		< CONNECTOR >					1-554-303-21			-		
* CN201	1-568-869-11	SOCKET, CONNECT	OR 27P			\$216	1-554-303-21	SWITCH,	TACTILE	(TIME	)	
		< FILTER >						< CRYST	AL >			
FL201	1-519-611-21	INDICATOR TUBE,	FLUORESCENT	•			1-577-358-21					******
		< 10 >				*	1-641-707-11	H. P. BO	ARD			
10201	8-752-832-30	IC CXP50112-2	410					*****				
		< RESISTOR >						< CAPAC	ITOR >			
R202	1-249-425-11	CARBON	4.7K 5%	1/4W		C1237	1-162-282-31	CERAMIC		100PF	10%	50V (G, IT)

														Н	CD-	-D11
		H.P.	LEAF S	W(A)	LEAF	SW(B)	LOADIN	١G	MA	IN						
Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Rem	ark						
C1238	1-162-282-3	1 CERAMIC	100PF 10%	50V (G, IT)	*	A-4347-896-A	MAIN BOARD, COMPLE*********									
	011-691-003-2 *******			*****	*		PLATE, GROUND SCREW +BVTP 3X8 TY	PE2 N-S								
	1 640 700 1	2 LEAF SW (A)	BOARD				< CAPACITOR >									
	1-040-702-1	******			C301 C302	1-161-379-00 1-124-477-11	02.17.11.1.0		% 25V 20%	(G, IT) 25V						
		< CAPACITOR	>		C303 C305	1-161-379-00 1-161-379-00	CERAMIC 0.		20% % 25V							
C544	1-164-159-1	1 CERAMIC	0.1uF 50V		C306	1-161-379-00	CERAMIC 0.	01uF 209	% 25V	(G, 1T)						
		< CONNECTOR	>		C307 C308	1-161-379-00 1-161-379-00	• = 1	01uF 01uF	20% 20%	25V 25V						
* CN415	1-568-942-1	1 PIN, CONNEC	TOR 4P		C309 C310	1-161-379-00	o E i i i i i i i i i i i i i i i i i i	01uF uF	20% 20%	25V 25V						
		< SWITCH >			C311	1-161-379-00		01uF	20%	25V						
\$4		1 SWITCH, LEA			C312	1-101-006-00	• • • • • • • • • • • • • • • • • • • •	047uF 3uF	20%	50V 100V						
\$5		1 SWITCH, LEA	\F (FWD) :********	*****	C313	1-161-379-00		01uF	20%	25V						
****	*****								0.00/	4.017						

1-640-703-12 LEAF SW (B) BOARD

C545 1-164-159-11 CERAMIC - 0.1uF 50V

\* CN416 1-568-943-11 PIN, CONNECTOR 5P

\* 1-632-202-11 LOADING BOARD

\$271 1-572-086-11 SWITCH, LEAF \$272 1-572-086-11 SWITCH, LEAF

S1

\*\*\*\*\*\*\*\*\*\*

< CAPACITOR >

< CONNECTOR >

< SWITCH >

\*

\*\*\*\*\*\*

< CONNECTOR >

\* CN301 1-564-707-11 PIN, CONNECTOR (SMALL TYPE) 5P

< SWITCH >

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

A-4347-065-A MAIN BOARD, COMPLETE (AEP, UK) A-4347-362-A MAIN BOARD, COMPLETE (G. IT) A-4347-521-A MAIN BOARD, COMPLETE (US, CND)

1-571-736-11 SWITCH, LEAF (MOTOR)

1-571-736-11 SWITCH, LEAF (FWD) 1-571-736-11 SWITCH, LEAF (REC)

C307	1-161-379-00	CERAMIC	0.01uF	20%	25V
C308	1-161-379-00		0.01uF	20%	25V
C309	1-161-379-00		0.01uF	20%	25V
C310	1-124-477-11		47uF	20%	25V
C311	1-161-379-00		0.01uF	20%	25V
0011	1 101 013 00	O L I I I I I I I	0.0141	2077	
C312	1-101-006-00	CERAMIC	0.047uF		50V
	1-123-382-00		3. 3uF	20%	100V
C314	1-161-379-00	CFRAMIC	0.01uF	20%	25V
	1-161-329-00		0.0068uF	30%	16 V
C316	1-162-282-31		100PF	10%	50V
0010	1 102 202 01	O E III III I O			
C317	1-162-292-31	CERAMIC	680PF	10% 50V	(G, IT)
C318	1-124-903-11	ELECT	1uF	20%	50V
C320	1-124-903-11	ELECT	1uF	20%	50 V
C321	1-124-902-00	ELECT	0. 47uF	20%	50 V
C322	1-124-463-00	ELECT	0. 1uF	20%	50 V
C323	1-161-379-00	CERAMIC	0.01uF	20% 25V (I	JS, CND)
C323	1-161-329-00	CERAMIC	0.0068uF 30% 16V	(AEP, G, IT,	EE, UK)
C324	1-161-379-00	CERAMIC	0.01uF	20% 25V (	US, CND)
C324			0.0068uF 30% 16V	(AEP, G, IT,	EE, UK)
C325	1-124-477-11		47uF	20%	
C326	1-124-907-11	ELECT	10uF	20%	50V
C327	1-161-379-00	CERAMIC	0.01uF	20%	25V
C328	1-124-463-00	ELECT	0. 1uF	20%	50 V
C329	1-124-927-11	ELECT	4. 7uF	20%	100V
C330	1-161-379-00	CERAMIC	0.01uF	20%	25V
C331	1-126-176-11	ELECT	220 u F	20%	10V
C332	1-161-379-00	CERAMIC	0.01uF	20%	25V
C335	1-161-379-00	CERAMIC	0.01uF	20%	25V
C336	1-161-379-00	CERAMIC	0.01uF	20%	25V
C339	1-162-210-31	CERAMIC	30PF 5% 50V	(AEP, G, IT	, EE, UK)
C341	1-123-382-00	ELECT	3. 3uF	20%	100V
C342	1-123-382-00	ELECT	3. 3 u F	20%	100V
C343	1-123-382-00	ELECT	3. 3uF	20%	100V
C344	1-123-382-00		3. 3uF	20%	100V
C345	1-161-375-00	CERAMIC	0. 0022uF	20%	50V
C346	1-161-375-00	CERAMIC	0. 0022uF	20%	50V

CSS1	Ref. No.	Part No.	Descript	ion		Remark	1	Part No.	Description			mark
	C351	1-161-494-00	CERAMIC	0. 022uF 25V			C501	1-102-961-00	CERAMIC	97DE		
							ř.					
C-55												
Company   Comp												
Code	0001	1 101 404 00	OLIMINIO	0,0224, 201	(//LI, 0,	II, LL, OK)						
C-262	0361	1-164-098-11	CERAMIC	0.047.1.6		12V	0303	1-101-379-00	CENAMIC	o. orur	20%	250
							CEOG	1 161 270 00	CEDANIC	0.015	0.007	0.511
C521   1-182-198-31 CERAMIC   10FF 5% 50V (US.CM)   C522   1-124-295-11 ELECT   2.7					/AED O							
C371   1-182-199-31 CERAMIC   10FF 5% 50V (US.CND)   C522   1-124-463-00 ELECT   0.1 UF 20% 25V 25V   C401   1-122-907-11 ELECT   10UF 20% 50V   C525   1-124-101-11 ELECT   10UF 20% 50V   C526   1-124-472-11 ELECT   0.1 UF 5% 50V   C527   1-124-101-11 ELECT   0.1 UF 5% 50V   C527												
C-271   1-182-198-31 CERAMIC   S.8F 19K SBV (AFP, G, IT, EE, UX)   C-201   1-124-907-11 ELECT   10uF   20K SBV   C-202   1-221-175-11 ELECT   22uF   20K SBV   C-202   1-221-175-11 ELECT   22uF   20K SBV   C-202   1-221-175-11 ELECT   10uF   20K SBV   C-202   1-124-477-11 ELECT   10uF   20K SBV   C-202   1-124-477-11 ELECT   10uF   20K SBV   C-202   1-124-477-11 ELECT   10uF   20K SBV   C-202   1-124-177-11 ELECT   10uF   10k SBV   C-202   1-124-183-11 CRAMIC   1-124-177-11 ELECT   10uF   10k SBV   C-202   1-124-183-11 CRAMIC   1-124-183-11							i .					
C301   1-162-198-31 CERAMIC   C401   1-124-407-11   ELECT   20	6371	1-102-199-31	CERAMIC	1077 5	% 5UV	(US, CND)	l					
C402	0071	1 100 100 01	OFDANIO	E CDE 100/ FAV	(A.F.D. O	IT EE 111/	C523	1-161-379-00	CERAMIC	0.01uF	20%	25V
C403							0504	1 101 070 00	0504440			
C404   1-124-907-11   ELECT   10uf   20%   50V   C525   1-126-101-11   ELECT   10uuf   20%   15V   C520   C531												
C404   1-124-903-11 ELECT												
C405   -124-443-00   ELECT   100uF   20%   10V   C532   1-161-494-00   CERMIC   0.02uF   25V   (AFP, G, IT, EE, UK)   C636   1-124-472-11   ELECT   470uF   20%   50V   C632   1-124-483-00   ELECT   0.02uF   25V   (AFP, G, IT, EE, UK)   C632   1-124-483-00   ELECT   0.04   20%   50V   C1002   1-124-282-31   CERAMIC   100PF   10%   50V   C1001   1-124-282-31   CERAMIC   100PF   10%   50V   C1002   1-162-282-31   CERAMIC   100PF   10%   50V   C1002   1-162-282-31   CERAMIC   100PF   10%   50V   C102   1-162-282-31   CERAMIC   100PF   10%   50V   C103   1-162-282-31   CERAMIC   100PF   10%   50V   C103   1-162-282-31   CERAMIC   100PF   10%   50V   C103   1-162-282-31   CERAMIC   0.04TuF   20%   50V   C103   1-162-282-31   CERAMIC   0.004TuF   20%   50V   C103   1-161-374-11   CERAMIC   0.004TuF   20%   50V   C103   1-162-283-31   CERAMIC   0.004TuF   20%   50V   C103   1-162-283-												
C406   1-124-443-00   ELECT   100uf   20%   10V   C532   1-161-494-00   CERAMIC   0.02uf   25V   (AFP. G. IT, EE, UK)   C408   1-164-159-11   CERAMIC   0.1uf   50V   C533   1-124-463-00   ELECT   0.1uf   20%   50V   C1001   1-124-925-11   ELECT   2.uf   20%   50V   C1002   1-162-928-31   CERAMIC   100Pf   10%   50V   C1003   1-162-928-31   CERAMIC   100Pf   10%   50V   C1003   1-162-928-31   CERAMIC   100Pf   10%   50V   C1003   1-162-282-31   CERAMIC   0.0015uf   20%   10V   C1004   1-124-477-11   ELECT   4 Tuf   20%   25V   C103   1-162-477-11   CERAMIC   0.0015uf   20%   10V   C1007   1-161-377-00   CERAMIC   0.0015uf   20%   50V   C1003   1-162-484-11   ELECT   0.22uf   20%   50V   C1003   1-162-484-11   ELECT   0.22uf   20%   50V   C1003   1-124-464-11   ELECT   0.22uf   20%   50V   C1003   1-124-477-11   ELECT   0.22uf   20%   50V   C1003   1-124-925-11   ELECT   0.22uf   20%   50V   C1003   1-162-290-31   CERAMIC   0.002uf   25V   C1003	C404	1-124-903-11	FLECI	141	20%	50 V						
CADE   1-124-472-11   ELECT   470							C531	1-136-173-00	FILM 0.47u	ıF 5% 50 <b>V (</b> A	AEP, G, IT,	EE, UK)
C408   1-184-159-11   CERAMIC   C   0.1 uF   SOV   C   C   C   C   C   C   C   C   C												
C408   1-164-159-11 CERAMIC   O. 1uf   20% 50V   C1001   1-124-925-11 ELECT   C. 2.uf   20% 50V   C1002   1-162-282-31 CERAMIC   100PF   10% 50V   C1003   1-162-282-31 CERAMIC   100PF   10% 50V   C1003   1-162-282-31 CERAMIC   100PF   10% 50V   C1011   1-186-163-00 FILM   O. 0015uf   20% 50V   C1004   1-124-477-11 ELECT   47uf   20% 25V   C1031   1-161-377-00 CERAMIC   O. 0047uf   20% 16V   C1044   1-136-161-00 FILM   O. 047uf   5% 50V   C1005   1-161-377-00 CERAMIC   O. 0047uf   20% 50V   C1051   1-124-468-11 ELECT   O. 22uf   20% 50V   C1051   1-124-477-11 ELECT   O. 22uf   20% 50V   C1061   1-164-159-11 CERAMIC   O. 1uf   S0W   C1001   1-124-477-11 ELECT   O. 22uf   20% 50V   C1061   1-164-159-11 CERAMIC   O. 1uf   S0W   C1001   1-124-477-11 ELECT   O. 22uf   20% 50V   C1061   1-164-159-11 CERAMIC   O. 1uf   S0W   C1001   1-124-477-11 ELECT   O. 22uf   20% 10V   C1002   1-164-159-11 CERAMIC   O. 1uf   S0W   C1001   1-124-477-11 ELECT   O. 22uf   20% 10V   C2001   1-164-159-11 CERAMIC   O. 1uf   S0W   C1001   1-124-925-11 ELECT   O. 22uf   20% 10V   C2001   1-164-159-11 CERAMIC   O. 1uf   S0W   C1001   1-124-925-11 ELECT   O. 22uf   20% 10W   C1002   1-162-207-31 CERAMIC   O. 1uf   S0W   C1003   1-162-288-31 CERAMIC   O. 022uf   S2W   C1025   1-162-288-31 CERAMIC   O. 022uf   S2W   C1025   1-162-288-31 CERAMIC   O. 022uf   S0W   C1033   1-124-443-00 ELECT   O. 1uf   S0W   C1054   1-124-97-11 ELECT   O. 0047uf   O. 0047					20%	10 V	C532					
C410						50 V	C533	1-124-463-00	ELECT 0. 1uF	20% 50V (A	AEP, G, IT,	EE, UK)
C411 1-136-153-00 FILM		1-164-159-11	CERAMIC	0. 1uF		50 V				2. 2uF	20%	100V
C411	C410	1-124-902-00	ELECT	0. 47uF	20%	50 V	C1002	1-162-282-31	CERAMIC	100PF	10%	50V
C412							C1003	1-162-282-31	CERAMIC	100PF	10%	50V
C413 1-181-374-11 CERAMIC 0.0015uF 20% 50V C1005 1-181-377-00 CERAMIC 0.00147uF 20% 16V C114 1-136-161-00 FILM 0.047uF 3% 50V C1006 1-161-374-11 CERAMIC 0.0015uF 20% 50V C105 1-124-443-00 ELECT 100uF 20% 10V C1007 1-124-4671-11 ELECT 47uF 20% 25V C116 1-164-159-11 CERAMIC 0.1uF 50V C1010 1-124-477-11 ELECT 2.2uF 20% 100V C420 1-164-159-11 CERAMIC 0.1uF 50V C1011 1-164-159-11 CERAMIC 0.1uF 50V C1011 1-164-159-11 CERAMIC 0.1uF 50V C1011 1-162-290-31 CERAMIC 470FF 10% 50V C1012 1-124-925-11 ELECT 2.2uF 20% 100V C430 1-162-207-31 CERAMIC 22PF 5% 50V C1014 1-161-949-00 CERAMIC 22PF 10% 50V C432 1-124-443-00 ELECT 100uF 20% 10V C1051 1-124-925-11 ELECT 2.2uF 20% 100V C433 1-124-443-00 ELECT 100uF 20% 10V C1051 1-162-288-31 CERAMIC 22PF 10% 50V C432 1-164-159-11 CERAMIC 0.1uF 50V C1053 1-162-288-31 CERAMIC 100PF 10% 50V C433 1-124-443-00 ELECT 100uF 20% 10V C1052 1-162-288-31 CERAMIC 100PF 10% 50V C433 1-164-159-11 CERAMIC 0.1uF 50V C1054 1-124-925-11 ELECT 2.2uF 20% 100V C433 1-164-159-11 CERAMIC 0.1uF 50V C1054 1-124-477-11 ELECT 47uF 20% 25V C435 1-164-159-11 CERAMIC 0.1uF 50V C1055 1-161-374-11 CERAMIC 100PF 10% 50V C435 1-164-159-11 CERAMIC 0.1uF 50V C1055 1-161-377-00 CERAMIC 0.047uF 20% 50V C436 1-124-430-0 ELECT 100uF 20% 10V C1055 1-161-377-11 ELECT 47uF 20% 25V C436 1-124-430-0 ELECT 100uF 20% 50V C1056 1-161-377-11 ELECT 47uF 20% 25V C436 1-124-903-11 ELECT 10UF 50V C1056 1-161-377-11 ELECT 47uF 20% 25V C436 1-124-903-11 ELECT 10UF 50V C1056 1-161-374-11 ELECT 47uF 20% 25V C436 1-124-903-11 ELECT 10UF 50V C1057 1-124-968-31 CERAMIC 0.0015uF 20% 50V C1056 1-161-374-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 10UF 50V C1057 1-124-968-31 CERAMIC 0.0015uF 20% 50V C1056 1-161-374-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 10UF 50V C1057 1-124-968-31 CERAMIC 0.002UF 5% 50V C1056 1-161-374-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 10UF 20% 50V C1056 1-161-374-11 ELECT 47uF 20% 25V C456 1-162-286-31 CERAMIC 220PF 10% 50V C1056 1-162-286-31 CERAMIC 220PF 10% 50V C1056 1-162-286-31 CERAMIC 220PF 10% 50V C105	C411	1-136-153-00	FILM	0.01uF	5%	50 V						
C413	C412	1-124-443-00	ELECT	100uF	20%	10 V	C1004	1-124-477-11	ELECT	47uF	20%	25V
C414 1-136-161-00 FILM	C413	1-161-374-11	CERAMIC	0.0015uF	20%	50V				0.0047uF		
C415 1-124-443-00 ELECT 100uF 20% 10V C1007 1-124-484-11 ELECT 0.22uF 20% 50V C108 1-124-477-11 ELECT 47uF 20% 25V C418 1-124-443-00 ELECT 100uF 20% 10V C1010 1-124-477-11 ELECT 47uF 20% 25V C419 1-164-159-11 CERAMIC 0.1uF 50V C1013 1-162-290-31 CERAMIC 2.2uF 20% 100V C420 1-164-159-11 CERAMIC 22PF 5% 50V C1014 1-161-494-00 CERAMIC 0.02uF 25V C430 1-162-207-31 CERAMIC 22PF 5% 50V C1014 1-161-494-00 CERAMIC 220PF 10% 50V C430 1-124-443-00 ELECT 100uF 20% 10V C1051 1-124-925-11 ELECT 2.2uF 20% 100V C433 1-124-443-00 ELECT 100uF 20% 10V C1051 1-124-925-11 ELECT 2.2uF 20% 100V C433 1-124-443-00 ELECT 100uF 20% 10V C1052 1-162-282-31 CERAMIC 100PF 10% 50V C435 1-164-159-11 CERAMIC 0.1uF 50V C1054 1-124-477-11 ELECT 47uF 20% 25V C1055 1-164-159-11 CERAMIC 0.1uF 50V C1055 1-162-282-31 CERAMIC 100PF 10% 50V C436 1-124-443-00 ELECT 100uF 20% 10V C1055 1-162-283-31 CERAMIC 100PF 10% 50V C435 1-164-159-11 CERAMIC 0.1uF 50V C1055 1-161-377-00 CERAMIC 0.0047uF 20% 16V C1055 1-164-159-11 CERAMIC 0.1uF 50V C1055 1-161-377-00 CERAMIC 0.0047uF 20% 16V C439 1-164-159-11 CERAMIC 0.1uF 50V C1056 1-181-374-11 CERAMIC 0.0047uF 20% 25V C1056 1-164-159-11 CERAMIC 0.1uF 50V C1056 1-181-374-11 CERAMIC 0.0047uF 20% 50V C444 1-164-159-11 CERAMIC 0.1uF 50V C1056 1-181-374-11 ELECT 47uF 20% 25V C1056 1-164-159-11 CERAMIC 0.1uF 50V C1056 1-181-374-11 ELECT 0.22uF 20% 50V C448 1-164-159-11 CERAMIC 0.1uF 50V C1056 1-181-374-11 ELECT 47uF 20% 25V C1056 1-124-903-11 ELECT 1uF 20% 50V C1056 1-124-407-11 ELECT 47uF 20% 25V C1056 1-124-903-11 ELECT 1uF 20% 50V C1056 1-124-925-11 ELECT 2.2uF 20% 50V C1056 1-124-935-11 ELECT 2.2u	C414	1-136-161-00	FILM	0.047uF	5%	50 V						
C416 1-164-159-11 CERAMIC 0. 1uF 50V C1010 1-124-477-11 ELECT 47uF 20% 25V C419 1-164-159-11 CERAMIC 0. 1uF 50V C1012 1-124-925-11 ELECT 2. 2uF 20% 100V C420 1-164-159-11 CERAMIC 0. 1uF 50V C1013 1-162-290-31 CERAMIC 470PF 10% 50V C103 1-162-207-31 CERAMIC 22PF 5% 50V C1014 1-161-494-00 CERAMIC 220PF 10% 50V C430 1-162-207-31 CERAMIC 22PF 5% 50V C1014 1-162-286-31 CERAMIC 220PF 10% 50V C432 1-124-443-00 ELECT 100uF 20% 10V C1052 1-162-286-31 CERAMIC 100PF 10% 50V C433 1-124-443-00 ELECT 100uF 20% 10V C1052 1-162-282-31 CERAMIC 100PF 10% 50V C433 1-162-483-00 ELECT 100uF 20% 10V C1053 1-162-282-31 CERAMIC 100PF 10% 50V C434 1-164-159-11 CERAMIC 0. 1uF 50V C1053 1-162-282-31 CERAMIC 100PF 10% 50V C435 1-164-159-11 CERAMIC 0. 1uF 50V C1053 1-162-282-31 CERAMIC 100PF 10% 50V C1054 1-124-4477-11 ELECT 47uF 20% 25V C1055 1-164-159-11 CERAMIC 0. 1uF 50V C1055 1-161-377-00 CERAMIC 0.0047uF 20% 16V C439 1-164-159-11 CERAMIC 0. 1uF 50V C1056 1-161-377-00 CERAMIC 0.0047uF 20% 16V C439 1-164-159-11 CERAMIC 0. 1uF 50V C1056 1-161-377-00 CERAMIC 0.0047uF 20% 50V C444 1-164-159-11 CERAMIC 0. 1uF 50V C1056 1-161-377-11 ELECT 47uF 20% 25V C444 1-164-159-11 CERAMIC 0. 1uF 50V C1056 1-161-377-11 ELECT 2. 2uF 20% 50V C444 1-164-159-11 CERAMIC 0. 1uF 50V C1056 1-161-377-11 ELECT 47uF 20% 25V C446 1-162-286-31 CERAMIC 0. 1uF 50V C1056 1-124-477-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 1uF 20% 50V C1056 1-124-477-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 1uF 20% 50V C1056 1-124-477-11 ELECT 2. 2uF 20% 50V C457 1-124-903-11 ELECT 1uF 20% 50V C1056 1-124-925-11 ELECT 2. 2uF 20% 50V C457 1-124-903-11 ELECT 1uF 20% 50V C1056 1-124-477-11 ELECT 2. 2uF 20% 50V C456 1-124-903-11 ELECT 1uF 20% 50V C1056 1-124-2925-11 ELECT 2. 2uF 20% 50V C1056 1-124-2	C415	1-124-443-00	ELECT	100uF	20%	10V						
C416 1-164-159-11 CERAMIC 0.1 UF 50V C1010 1-124-477-11 ELECT 47 UF 20% 25V C419 1-164-159-11 CERAMIC 0.1 UF 50V C1012 1-124-925-11 ELECT 2.2 UF 20% 100V C420 1-164-159-11 CERAMIC 0.1 UF 50V C1013 1-162-290-31 CERAMIC 470 FF 10% 50V C103 1-162-290-31 CERAMIC 220 FF 5% 50V C104 1-161-494-00 CERAMIC 0.0 22 UF 25V C1025 1-162-286-31 CERAMIC 220 FF 10% 50V C1025 1-162-286-31 CERAMIC 220 FF 10% 50V C1025 1-162-286-31 CERAMIC 220 FF 10% 50V C103 1-162-290-31 CERAMIC 220 FF 10% 50V C103 1-162-280-31 CERAMIC 20 FF 10% 50V C103 1-162-280-31 CERAMIC 100 FF 10% 50V C103 1-124-443-00 ELECT 100 UF 20% 10V C1052 1-162-282-31 CERAMIC 100 FF 10% 50V C103 1-164-159-11 CERAMIC 0.1 UF 50V C1053 1-162-282-31 CERAMIC 100 FF 10% 50V C1055 1-164-159-11 CERAMIC 0.1 UF 50V C1055 1-161-377-00 CERAMIC 0.004 TUF 20% 15V C1055 1-161-377-00 CERAMIC 0.004 TUF 20% 10V C1055 1-161-377-00 CERAMIC 0.004 TUF 20% 50V C1056 1-161-374-11 CERAMIC 0.004 TUF 20% 50V C1057 1-124-464-11 ELECT 0.2 UF 20% 50V C1058 1-124-903-11 ELECT 10F 20% 50V C1057 1-124-464-11 ELECT 0.2 UF 20% 50V C1056 1-124-903-11 ELECT 10F 20% 50V C1057 1-124-464-11 ELECT 47 UF 20% 25V C1056 1-124-903-11 ELECT 10F 20% 50V C1056 1-124-903-11 ELECT 20F 20% 50V C1056 1-124-903-11 ELECT 10F 20% 50V C1056 1-124-903-11 ELECT 20F 20% 50V C1056 1-124-907-11 ELECT 20F 20% 50V C1056 1-124-90												
C418 1-124-443-00 ELECT 100uF 20% 10V C1010 1-124-477-11 ELECT 47uF 20% 25V C419 1-164-159-11 CERAMIC 0.1uF 50V C1012 1-124-925-11 ELECT 2.2uF 20% 100V C420 1-164-159-11 CERAMIC 22PF 5% 50V C1013 1-162-290-31 CERAMIC 0.022uF 25V C1025 1-162-286-31 CERAMIC 22PF 10% 50V C1034 1-161-494-00 CERAMIC 22PF 10% 50V C1034 1-161-494-00 CERAMIC 22PF 10% 50V C1035 1-162-286-31 CERAMIC 100PF 10% 50V C433 1-124-443-00 ELECT 100uF 20% 10V C1052 1-162-282-31 CERAMIC 100PF 10% 50V C433 1-164-159-11 CERAMIC 0.1uF 50V C1053 1-162-282-31 CERAMIC 100PF 10% 50V C1053 1-164-159-11 CERAMIC 0.1uF 50V C1054 1-124-477-11 ELECT 47uF 20% 25V C1025 1-162-282-31 CERAMIC 0.0047uF 20% 16V C433 1-124-443-00 ELECT 100uF 20% 10V C1055 1-161-374-11 CERAMIC 0.0047uF 20% 16V C436 1-124-4903-11 ELECT 0.1uF 50V C1056 1-161-374-11 CERAMIC 0.0015uF 20% 50V C438 1-164-159-11 CERAMIC 0.1uF 50V C1056 1-161-374-11 ELECT 0.22uF 20% 50V C448 1-164-159-11 CERAMIC 0.1uF 50V C1056 1-161-374-11 ELECT 0.22uF 20% 50V C448 1-164-159-11 CERAMIC 0.1uF 50V C1056 1-124-404-11 ELECT 0.22uF 20% 50V C456 1-124-903-11 ELECT 1uF 20% 50V C1056 1-124-477-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 1uF 20% 50V C1056 1-124-477-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-477-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 1uF 20% 50V C1064 1-162-286-31 CERAMIC 20PF 10% 50V C1064 1-162-286-31 CERAMIC 20PF 10% 50V C1064 1-162-286-31 CERAMIC 20PF 10% 50V C1065 1-162-280-31 ELECT 22uF 20% 50V C456 1-162-286-31 CERAMIC 20PF 10% 50V C1064 1-162-286-31 CERAMIC 20PF 10% 50V C1065 1-124-907-11 ELECT 22uF 20% 50V C1064 1-162-288-31 CERAMIC 20PF 10% 50V C1065 1-124-907-11 ELECT 22uF 20% 50V C1064 1-162-288-31 CERAMIC 30PF 10% 50V C1221 1-126-101-11 ELECT 22uF 20% 50V C1231 1-126-233-11 ELECT 22uF 20% 50V C1231 1-126-233-11 ELECT 22uF 20% 50V C1231 1-126-233-11 ELECT 22uF 20% 50V C1231 1-126-288-31 CERAMIC 30	C416	1-164-159-11	CERAMIC	0. 1uF		50 V					2070	200
C419 1-164-159-11 CERAMIC 0. 1uf 50V C1012 1-124-925-11 ELECT 2. 2uf 20% 100V C420 1-164-159-11 CERAMIC 0. 1uf 50V C1013 1-162-290-31 CERAMIC 470PF 10% 50V C1014 1-161-494-00 CERAMIC 0. 0.022uf 25V C431 1-162-207-31 CERAMIC 22PF 5% 50V C1014 1-161-494-00 CERAMIC 220PF 10% 50V C431 1-162-207-31 CERAMIC 22PF 5% 50V C1034 1-162-286-31 CERAMIC 22PF 10% 50V C432 1-124-443-00 ELECT 100uf 20% 10V C1051 1-124-925-11 ELECT 2. 2uf 20% 100V C433 1-124-443-00 ELECT 100uf 20% 10V C1052 1-162-282-31 CERAMIC 100PF 10% 50V C434 1-164-159-11 CERAMIC 0. 1uf 50V C1053 1-162-282-31 CERAMIC 100PF 10% 50V C435 1-164-159-11 CERAMIC 0. 1uf 50V C1054 1-124-477-11 ELECT 47uf 20% 25V C1055 1-161-377-00 CERAMIC 0.0047uf 20% 16V C439 1-164-159-11 CERAMIC 0. 1uf 50V C1054 1-124-477-11 ELECT 0. 0.0047uf 20% 16V C439 1-164-159-11 CERAMIC 0. 1uf 50V C1055 1-161-374-11 CERAMIC 0. 0.015uf 20% 50V C448 1-164-159-11 CERAMIC 0. 1uf 50V C1055 1-161-374-11 CERAMIC 0. 0.015uf 20% 50V C448 1-164-159-11 CERAMIC 0. 1uf 50V C1055 1-161-374-11 ELECT 0. 22uf 20% 50V C448 1-164-159-11 CERAMIC 0. 1uf 50V C1056 1-161-374-11 ELECT 0. 22uf 20% 50V C448 1-164-159-11 CERAMIC 0. 1uf 50V C1056 1-124-477-11 ELECT 0. 22uf 20% 50V C448 1-164-159-11 CERAMIC 0. 0.015uf 50V C1056 1-124-477-11 ELECT 0. 22uf 20% 50V C458 1-124-903-11 ELECT 1uf 20% 50V C1060 1-124-477-11 ELECT 47uf 20% 25V C458 1-130-475-00 MYLAR 0. 0022uf 5% 50V C1060 1-124-477-11 ELECT 47uf 20% 25V C458 1-130-475-00 MYLAR 0. 0022uf 5% 50V C1064 1-162-286-31 CERAMIC 220PF 10% 50V C1051 1-162-286-31 CERAMIC 220PF 20% 50V C1051 1-162-288-31 CERAMIC 220PF 20% 50V C1051 1-162-288-31 CERAMIC 220PF 20% 50V C106	C418	1-124-443-00	ELECT	100uF	20%	10V	C1010	1-124-477-11	FLECT	47 n F	2.0%	25V
C420 1-164-159-11 CERAMIC	C419	1-164-159-11	CERAMIC	0. 1uF								
C430 1-162-207-31 CERAMIC 22PF 5% 50V C1014 1-161-494-00 CERAMIC 0.022uF 25V C1025 1-162-286-31 CERAMIC 220PF 10% 50V C1025 1-162-286-31 CERAMIC 220PF 10% 50V C433 1-124-443-00 ELECT 100uF 20% 10V C1052 1-162-282-31 CERAMIC 100PF 10% 50V C434 1-164-159-11 CERAMIC 0.1uF 50V C1053 1-162-282-31 CERAMIC 100PF 10% 50V C435 1-164-159-11 CERAMIC 0.1uF 50V C1054 1-124-477-11 ELECT 47uF 20% 25V C1055 1-161-377-00 CERAMIC 0.0047uF 20% 16V C439 1-164-159-11 CERAMIC 0.1uF 50V C1055 1-161-377-00 CERAMIC 0.0047uF 20% 16V C439 1-164-159-11 CERAMIC 0.1uF 50V C1056 1-161-374-11 CERAMIC 0.0015uF 20% 50V C448 1-164-159-11 CERAMIC 0.1uF 50V C1056 1-161-374-11 CERAMIC 0.0015uF 20% 50V C448 1-164-159-11 CERAMIC 0.1uF 50V C1057 1-124-64-11 ELECT 0.22uF 20% 50V C448 1-164-159-11 CERAMIC 0.1uF 50V C1056 1-161-374-11 ELECT 47uF 20% 25V C455 1-124-903-11 ELECT 1uF 20% 50V C1066 1-124-477-11 ELECT 47uF 20% 25V C1056 1-124-903-11 ELECT 1uF 20% 50V C1066 1-124-477-11 ELECT 47uF 20% 25V C1065 1-124-903-11 ELECT 1uF 20% 50V C1066 1-124-477-11 ELECT 47uF 20% 25V C1062 1-124-925-11 ELECT 2.2uF 20% 100V C458 1-130-475-00 MYLAR 0.0022uF 5% 50V C1066 1-161-494-00 CERAMIC 470PF 10% 50V C459 1-130-475-00 MYLAR 0.0022uF 5% 50V C1066 1-161-494-00 CERAMIC 220PF 10% 50V C1066 1-162-286-31 CERAMIC 220PF 10% 50V C1067 1-162-286-31 CERAMIC 220PF 10% 50V C1067 1-162-286-31 CERAMIC 220PF 10% 50V C1213 1-126-233-11 ELECT 22uF 20% 50V C123 1-126-907-11 ELECT 22uF 20% 50V C123 1-126-907-11 ELECT 22uF 20% 50V C123 1-126-288-31 CERAMIC 30PF 10% 50V C1221 1-126-233-11 ELECT 22uF 20% 50V C125 1-162-288-31 CERAMIC 30PF 10% 50V C1221 1-126-233-11 ELECT 22uF 20% 50V C125 1-162-288-31 CERAMIC 30PF 10% 50V C1221 1-126-176-11 ELECT 22uF 20% 50V C125 1-162-288-31 CERAMIC 30PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C1455 1-												
C431 1-162-207-31 CERAMIC 22PF 5% 50V C1051 1-124-925-11 ELECT 2. 2uF 20% 100V C433 1-124-443-00 ELECT 100uF 20% 10V C1052 1-162-282-31 CERAMIC 100PF 10% 50V C434 1-164-159-11 CERAMIC 0. 1uF 50V C1053 1-162-282-31 CERAMIC 100PF 10% 50V C435 1-164-159-11 CERAMIC 0. 1uF 50V C1054 1-124-447-11 ELECT 47uF 20% 25V C1055 1-161-377-00 CERAMIC 0. 0.047uF 20% 16V C438 1-124-443-00 ELECT 100uF 20% 10V C1055 1-161-377-00 CERAMIC 0. 0.0047uF 20% 16V C438 1-164-159-11 CERAMIC 0. 1uF 50V C1056 1-161-374-11 CERAMIC 0. 0.015uF 20% 50V C438 1-164-159-11 CERAMIC 0. 1uF 50V C1057 1-124-464-11 ELECT 0. 22uF 20% 50V C448 1-164-159-11 CERAMIC 0. 1uF 50V C1058 1-124-477-11 ELECT 47uF 20% 25V C458 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-477-11 ELECT 47uF 20% 25V C1056 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-477-11 ELECT 47uF 20% 25V C1056 1-130-475-00 MYLAR 0. 0022uF 5% 50V C1060 1-124-925-11 ELECT 2. 2uF 20% 100V C459 1-130-475-00 MYLAR 0. 0022uF 5% 50V C1064 1-161-494-00 CERAMIC 0. 0.02uF 25V C460 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C1061 1-162-286-31 CERAMIC 220PF 10% 50V C1062 1-124-93-11 ELECT 22uF 20% 50V C461 1-162-286-31 CERAMIC 220PF 10% 50V C121 1-126-233-11 ELECT 22uF 20% 50V C121 1-126-288-31 CERAMIC 330PF 10% 50V C122 1-126-176-11 ELECT 22uF 20% 50V C464 1-162-288-31 CERAMIC 330PF 10% 50V C122 1-126-176-11 ELECT 22uF 20% 50V C465 1-162-288-31 CERAMIC 330PF 10% 50V C122 1-126-176-11 ELECT 22uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C122 1-126-176-11 ELECT 22uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C122 1-126-176-11 ELECT 22uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C122 1-126-176-11 ELECT 22uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C122 1-126-176-11 ELECT 22uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C122 1-126-176-11 ELECT 22uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C122 1-126-176-11 ELECT 22uF 20% 10V C465 1-162-288					5%						1 0 78	
C431 1-162-207-31 CERAMIC				2411	• • • • • • • • • • • • • • • • • • • •	***					1.09/	
C432 1-124-443-00 ELECT 100uF 20% 10V C1051 1-124-925-11 ELECT 2. 2uF 20% 100V C433 1-124-443-00 ELECT 100uF 20% 10V C1052 1-162-282-31 CERAMIC 100PF 10% 50V C434 1-164-159-11 CERAMIC 0. 1uF 50V C1053 1-162-282-31 CERAMIC 100PF 10% 50V C435 1-164-159-11 CERAMIC 0. 1uF 50V C1054 1-124-477-11 ELECT 47uF 20% 25V C1054 1-124-437-00 ELECT 100uF 20% 16V C439 1-164-159-11 CERAMIC 0. 1uF 50V C1055 1-161-377-00 CERAMIC 0. 0015uF 20% 50V C447 1-164-159-11 CERAMIC 0. 1uF 50V C1056 1-161-374-11 CERAMIC 0. 0015uF 20% 50V C448 1-164-159-11 CERAMIC 0. 1uF 50V C1057 1-124-464-11 ELECT 0. 22uF 20% 50V C448 1-164-159-11 CERAMIC 0. 1uF 50V C1058 1-124-477-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 1uF 20% 50V C1068 1-124-477-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-477-11 ELECT 47uF 20% 25V C458 1-130-475-00 MYLAR 0. 0022uF 5% 50V C1063 1-162-290-31 CERAMIC 470PF 10% 50V C459 1-130-475-00 MYLAR 0. 0022uF 5% 50V C1064 1-161-494-00 CERAMIC 0. 022uF 25V C460 1-162-286-31 CERAMIC 220PF 10% 50V C1064 1-161-494-00 CERAMIC 220PF 10% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C1213 1-126-176-11 ELECT 22uF 20% 10V	C431	1-162-207-31	CERAMIC	22PF	5%	50V	01020	1 102 200 01	OLIVAINITO	22011	1 0 70	300
C433 1-124-443-00 ELECT 100uF 20% 10V C1052 1-162-282-31 CERAMIC 100PF 10% 50V C434 1-164-159-11 CERAMIC 0. 1uF 50V C1053 1-162-282-31 CERAMIC 100PF 10% 50V C1054 1-124-477-11 ELECT 47uF 20% 25V C1055 1-161-377-00 CERAMIC 0. 0047uF 20% 16V C436 1-124-443-00 ELECT 100uF 50V C1056 1-161-377-00 CERAMIC 0. 0047uF 20% 16V C439 1-164-159-11 CERAMIC 0. 1uF 50V C1056 1-161-374-11 CERAMIC 0. 0015uF 20% 50V C447 1-164-159-11 CERAMIC 0. 1uF 50V C1057 1-124-464-11 ELECT 0. 22uF 20% 50V C448 1-164-159-11 CERAMIC 0. 1uF 50V C1058 1-124-477-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-477-11 ELECT 47uF 20% 25V C1062 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-477-11 ELECT 47uF 20% 25V C1062 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-905-11 ELECT 2. 2uF 20% 100V C458 1-130-475-00 MYLAR 0. 0022uF 5% 50V C1063 1-162-290-31 CERAMIC 470PF 10% 50V C459 1-130-475-00 MYLAR 0. 0022uF 5% 50V C1063 1-162-290-31 CERAMIC 0. 022uF 25V C460 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C1213 1-126-233-11 ELECT 22uF 20% 50V C1231 1-126-233-11 ELECT 22uF 20% 50V C1246 1-162-288-31 CERAMIC 330PF 10% 50V C1222 1-126-176-11 ELECT 100uF 20% 16V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V							C1051	1-124-025-11	FLECT	2 2E	200/	1001/
C434 1-164-159-11 CERAMIC 0. 1uF 50V C1053 1-162-282-31 CERAMIC 100PF 10% 50V C1054 1-124-477-11 ELECT 47uF 20% 25V C1055 1-161-377-00 CERAMIC 0.0047uF 20% 16V C1055 1-161-377-00 CERAMIC 0.0047uF 20% 16V C1055 1-161-377-00 CERAMIC 0.0047uF 20% 16V C1055 1-161-377-00 CERAMIC 0.0015uF 20% 50V C1056 1-161-377-11 CERAMIC 0.0015uF 20% 50V C1057 1-124-464-11 ELECT 0.22uF 20% 50V C1058 1-124-477-11 ELECT 0.22uF 20% 50V C1058 1-124-477-11 ELECT 47uF 20% 25V C1056 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-477-11 ELECT 47uF 20% 25V C1062 1-124-925-11 ELECT 2.2uF 20% 100V C458 1-130-475-00 MYLAR 0.0022uF 5% 50V C1063 1-162-290-31 CERAMIC 0.022uF 25V C459 1-130-475-00 MYLAR 0.0022uF 5% 50V C1064 1-161-494-00 CERAMIC 0.022uF 25V C460 1-162-286-31 CERAMIC 220PF 10% 50V C1064 1-161-494-00 CERAMIC 0.022uF 25V C460 1-162-286-31 CERAMIC 220PF 10% 50V C1064 1-162-286-31 CERAMIC 220PF 10% 50V C1064 1-162-233-11 ELECT 22uF 20% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C1213 1-126-233-11 ELECT 22uF 20% 50V C1213 1-126-233-11 ELECT 22uF 20% 50V C1264 1-162-288-31 CERAMIC 330PF 10% 50V C1221 1-126-101-11 ELECT 100uF 20% 50V C1264 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V												
C435 1-164-159-11 CERAMIC 0. 1uF 50V C1054 1-124-477-11 ELECT 47uF 20% 25V C1055 1-161-377-00 CERAMIC 0. 0047uF 20% 16V C436 1-124-443-00 ELECT 100uF 20% 10V C439 1-164-159-11 CERAMIC 0. 1uF 50V C1056 1-161-374-11 CERAMIC 0. 0015uF 20% 50V C447 1-164-159-11 CERAMIC 0. 1uF 50V C1057 1-124-464-11 ELECT 0. 22uF 20% 50V C448 1-164-159-11 CERAMIC 0. 1uF 50V C1058 1-124-477-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-477-11 ELECT 47uF 20% 25V C1062 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-477-11 ELECT 2. 2uF 20% 100V C458 1-130-475-00 MYLAR 0. 0022uF 5% 50V C1063 1-162-290-31 CERAMIC 470PF 10% 50V C459 1-130-475-00 MYLAR 0. 0022uF 5% 50V C1064 1-161-494-00 CERAMIC 0. 022uF 25V C460 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C1213 1-126-176-11 ELECT 22uF 20% 50V C1213 1-126-176-11 ELECT 22uF 20% 50V C1213 1-126-176-11 ELECT 22uF 20% 50V C1223 1-126-176-11 ELECT 22uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 22uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 22uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 22uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 22					2070							
C436 1-124-443-00 ELECT 100uF 20% 10V C439 1-164-159-11 CERAMIC 0. 1uF 50V C1056 1-161-374-11 CERAMIC 0. 0015uF 20% 50V C447 1-164-159-11 CERAMIC 0. 1uF 50V C1057 1-124-464-11 ELECT 0. 22uF 20% 50V C448 1-164-159-11 CERAMIC 0. 1uF 50V C1058 1-124-477-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-477-11 ELECT 47uF 20% 25V C457 1-124-903-11 ELECT 1uF 20% 50V C1062 1-124-925-11 ELECT 2. 2uF 20% 100V C458 1-130-475-00 MYLAR 0. 0022uF 5% 50V C1063 1-162-290-31 CERAMIC 470PF 10% 50V C459 1-130-475-00 MYLAR 0. 0022uF 5% 50V C1064 1-161-494-00 CERAMIC 0. 022uF 25V C460 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C461 1-162-286-31 CERAMIC 220PF 10% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C462 1-124-907-11 ELECT 10uF 20% 50V C463 1-124-907-11 ELECT 10uF 20% 50V C464 1-162-288-31 CERAMIC 330PF 10% 50V C1221 1-126-101-11 ELECT 100uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1222 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V						i						
C436 1-124-443-00 ELECT 100uF 20% 10V C439 1-164-159-11 CERAMIC 0.1uF 50V C1056 1-161-374-11 CERAMIC 0.0015uF 20% 50V C447 1-164-159-11 CERAMIC 0.1uF 50V C1057 1-124-464-11 ELECT 0.22uF 20% 50V C448 1-164-159-11 CERAMIC 0.1uF 50V C1058 1-124-477-11 ELECT 47uF 20% 25V C456 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-477-11 ELECT 47uF 20% 25V C457 1-124-903-11 ELECT 1uF 20% 50V C458 1-130-475-00 MYLAR 0.0022uF 5% 50V C1063 1-162-290-31 CERAMIC 470PF 10% 50V C459 1-130-475-00 MYLAR 0.0022uF 5% 50V C1064 1-161-494-00 CERAMIC 0.022uF 25V C460 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C461 1-162-286-31 CERAMIC 220PF 10% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C462 1-124-907-11 ELECT 10uF 20% 50V C463 1-124-907-11 ELECT 10uF 20% 50V C464 1-162-288-31 CERAMIC 330PF 10% 50V C1222 1-126-101-11 ELECT 10uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1222 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V	0400	1 104 103 11	OLIVANIO	o. rui		30 4						
C439 1-164-159-11 CERAMIC	C436	1_124_443_00	FLECT	100	2.09/	100	61033	1-101-311-00	CERAMIC	U. UU4/UF	20%	167
C447 1-164-159-11 CERAMIC 0. 1uf 50V C1057 1-124-464-11 ELECT 0. 22uf 20% 50V C488 1-164-159-11 CERAMIC 0. 1uf 50V C1058 1-124-477-11 ELECT 47uf 20% 25V C456 1-124-903-11 ELECT 1uf 20% 50V C1060 1-124-477-11 ELECT 47uf 20% 25V C1062 1-124-925-11 ELECT 2. 2uf 20% 100V C457 1-124-903-11 ELECT 1uf 20% 50V C1062 1-124-925-11 ELECT 2. 2uf 20% 100V C458 1-130-475-00 MYLAR 0. 0022uf 5% 50V C1063 1-162-290-31 CERAMIC 470Pf 10% 50V C459 1-130-475-00 MYLAR 0. 0022uf 5% 50V C1064 1-161-494-00 CERAMIC 0. 022uf 25V C460 1-162-286-31 CERAMIC 220Pf 10% 50V C1054 1-162-286-31 CERAMIC 220Pf 10% 50V C461 1-162-286-31 CERAMIC 220Pf 10% 50V C1212 1-126-233-11 ELECT 22uf 20% 50V C1213 1-126-238-31 CERAMIC 330Pf 10% 50V C1221 1-126-101-11 ELECT 100uf 20% 16V C464 1-162-288-31 CERAMIC 330Pf 10% 50V C1222 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V					20%		01056	1 101 074 11	OF DALLI O	0 0045 5		
C448 1-164-159-11 CERAMIC 0. 1uf 50V C1058 1-124-477-11 ELECT 47uf 20% 25V C456 1-124-903-11 ELECT 1uf 20% 50V C1060 1-124-477-11 ELECT 47uf 20% 25V C1060 1-124-925-11 ELECT 2. 2uf 20% 100V C457 1-124-903-11 ELECT 1uf 20% 50V C1062 1-124-925-11 ELECT 2. 2uf 20% 100V C458 1-130-475-00 MYLAR 0. 0022uf 5% 50V C1063 1-162-290-31 CERAMIC 470Pf 10% 50V C459 1-130-475-00 MYLAR 0. 0022uf 5% 50V C1064 1-161-494-00 CERAMIC 0. 022uf 25V C460 1-162-286-31 CERAMIC 220Pf 10% 50V C1075 1-162-286-31 CERAMIC 220Pf 10% 50V C1075 1-162-286-31 CERAMIC 220Pf 10% 50V C1212 1-126-233-11 ELECT 22uf 20% 50V C1213 1-126-233-11 ELECT 22uf 20% 50V C1213 1-126-233-11 ELECT 22uf 20% 50V C462 1-124-907-11 ELECT 10uf 20% 50V C1211 1-126-101-11 ELECT 100uf 20% 16V C464 1-162-288-31 CERAMIC 330Pf 10% 50V C1222 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330Pf 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uf 20% 10V												
C456 1-124-903-11 ELECT 1uF 20% 50V C1060 1-124-477-11 ELECT 47uF 20% 25V C1062 1-124-925-11 ELECT 2.2uF 20% 100V C457 1-124-903-11 ELECT 1uF 20% 50V C458 1-130-475-00 MYLAR 0.0022uF 5% 50V C1063 1-162-290-31 CERAMIC 470PF 10% 50V C459 1-130-475-00 MYLAR 0.0022uF 5% 50V C1064 1-161-494-00 CERAMIC 0.022uF 25V C460 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C461 1-162-286-31 CERAMIC 220PF 10% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C1213 1-126-233-11 ELECT 22uF 20% 50V C462 1-124-907-11 ELECT 10uF 20% 50V C1213 1-126-233-11 ELECT 22uF 20% 50V C463 1-124-907-11 ELECT 10uF 20% 50V C1221 1-126-101-11 ELECT 10uF 20% 16V C464 1-162-288-31 CERAMIC 330PF 10% 50V C1222 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 20% 10V C465 1-162-288-31 CERAMIC 20% 10V C465 1-162-288-31 CERAMIC 20% 10V C465 1-162-288-31 CERAM												
C1062 1-124-925-11 ELECT 2. 2uF 20% 100V  C457 1-124-903-11 ELECT 1uF 20% 50V  C458 1-130-475-00 MYLAR 0. 0022uF 5% 50V C1063 1-162-290-31 CERAMIC 470PF 10% 50V  C459 1-130-475-00 MYLAR 0. 0022uF 5% 50V C1064 1-161-494-00 CERAMIC 0. 022uF 25V  C460 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V  C461 1-162-286-31 CERAMIC 220PF 10% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V  C462 1-124-907-11 ELECT 10uF 20% 50V  C463 1-124-907-11 ELECT 10uF 20% 50V  C464 1-162-288-31 CERAMIC 330PF 10% 50V C1221 1-126-101-11 ELECT 10uF 20% 16V  C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V  C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V					0.08/	}						
C457 1-124-903-11 ELECT 1uF 20% 50V C458 1-130-475-00 MYLAR 0.0022uF 5% 50V C1063 1-162-290-31 CERAMIC 470PF 10% 50V C459 1-130-475-00 MYLAR 0.0022uF 5% 50V C1064 1-161-494-00 CERAMIC 0.022uF 25V C460 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C461 1-162-286-31 CERAMIC 220PF 10% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C462 1-124-907-11 ELECT 10uF 20% 50V C463 1-124-907-11 ELECT 10uF 20% 50V C464 1-162-288-31 CERAMIC 330PF 10% 50V C1221 1-126-101-11 ELECT 10uF 20% 16V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V	6430	1-124-903-11	ELECT	lur	20%	50 V						
C458 1-130-475-00 MYLAR 0.0022uF 5% 50V C1063 1-162-290-31 CERAMIC 470PF 10% 50V C459 1-130-475-00 MYLAR 0.0022uF 5% 50V C1064 1-161-494-00 CERAMIC 0.022uF 25V C460 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C461 1-162-286-31 CERAMIC 220PF 10% 50V C1213 1-126-233-11 ELECT 22uF 20% 50V C462 1-124-907-11 ELECT 10uF 20% 50V C1213 1-126-233-11 ELECT 10uF 20% 50V C463 1-124-907-11 ELECT 10uF 20% 50V C1221 1-126-101-11 ELECT 10uF 20% 16V C464 1-162-288-31 CERAMIC 330PF 10% 50V C1222 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220UF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50	0.457		FLEAT	4 5		F 414	C1062	1-124-925-11	FLECI	2. 2uF	20%	100V
C459 1-130-475-00 MYLAR 0.0022uF 5% 50V C1064 1-161-494-00 CERAMIC 0.022uF 25V C460 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C1213 1-126-233-11 ELECT 22uF 20% 50V C462 1-124-907-11 ELECT 10uF 20% 50V C1213 1-126-233-11 ELECT 10uF 20% 50V C463 1-124-907-11 ELECT 10uF 20% 50V C1221 1-126-101-11 ELECT 10uF 20% 16V C464 1-162-288-31 CERAMIC 330PF 10% 50V C1222 1-126-176-11 ELECT 22uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V												
C460 1-162-286-31 CERAMIC 220PF 10% 50V C1075 1-162-286-31 CERAMIC 220PF 10% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C1213 1-126-233-11 ELECT 22uF 20% 50V C462 1-124-907-11 ELECT 10uF 20% 50V C1221 1-126-101-11 ELECT 10uF 20% 50V C463 1-124-907-11 ELECT 10uF 20% 50V C1221 1-126-101-11 ELECT 10uF 20% 16V C464 1-162-288-31 CERAMIC 330PF 10% 50V C1222 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V										470PF	10%	50 V
C461 1-162-286-31 CERAMIC 220FF 10% 50V C1212 1-126-233-11 ELECT 22uF 20% 50V C1213 1-126-233-11 ELECT 22uF 20% 50V C162 1-124-907-11 ELECT 10uF 20% 50V C1213 1-126-101-11 ELECT 10uF 20% 16V C463 1-124-907-11 ELECT 10uF 20% 50V C1221 1-126-101-11 ELECT 100uF 20% 16V C464 1-162-288-31 CERAMIC 330PF 10% 50V C1222 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V												
C1213 1-126-233-11 ELECT 22uF 20% 50V  C462 1-124-907-11 ELECT 10uF 20% 50V  C463 1-124-907-11 ELECT 10uF 20% 50V  C464 1-162-288-31 CERAMIC 330PF 10% 50V  C465 1-162-288-31 CERAMIC 330PF 10% 50V  C465 1-162-288-31 CERAMIC 330PF 10% 50V  C465 1-162-288-31 CERAMIC 330PF 10% 50V  C467 1-126-176-11 ELECT 220uF 20% 10V										220PF	10%	50 V
C462 1-124-907-11 ELECT 10uF 20% 50V C463 1-124-907-11 ELECT 10uF 20% 50V C464 1-162-288-31 CERAMIC 330PF 10% 50V C465 1-162-288-31 CERAMIC 330PF 10% 50V C465 1-162-288-31 CERAMIC 330PF 10% 50V C467 1-162-288-31 CERAMIC 330PF 10% 50V C468 1-162-288-31 CERAMIC 330PF 10% 50V C47 100 100 100 100 100 100 100 100 100 10	C461	1-162-286-31	CERAMIC	220PF	10%	50V					20%	50V
C463 1-124-907-11 ELECT 10uF 20% 50V C1221 1-126-101-11 ELECT 100uF 20% 16V C464 1-162-288-31 CERAMIC 330PF 10% 50V C1222 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V							C1213	1-126-233-11	ELECT	22uF	20%	50V
C464 1-162-288-31 CERAMIC 330PF 10% 50V C1222 1-126-176-11 ELECT 220uF 20% 10V C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V												
C465 1-162-288-31 CERAMIC 330PF 10% 50V C1223 1-126-176-11 ELECT 220uF 20% 10V					20%	50V				100uF	20%	16V
0.407 4.400 0.01 0.4 0.5 0.410 0.4 0.5 0.410 0.41	C464	1-162-288-31	CERAMIC	330PF	10%	50V	C1222	1-126-176-11	ELECT	220uF	20%	10V
0.407 4.400 0.01 0.4 0.5 0.1110 0.00 0.00 0.00 0.00 0.00 0.0	C465	1-162-288-31	CERAMIC	330PF	10%	50V	C1223	1-126-176-11	ELECT	220uF	20%	10V
	C467	1-162-294-31	CERAMIC	0.001uF	10%	50V	C1245	1-101-006-00	CERAMIC	0.047uF	50V	(G, IT)

Ref. No.	Part No.	Description			ark	Ref. No.	Part No.	Descr	iption 	Remark 
C1246	1-101-006-00	CERAMIC	0.047uF		(G, IT)	* CN1001	1-580-691-11 1-580-691-11			
01047	1-101-006-00	CEDANIC	0. 047uF	50V	(G, IT)		1-537-327-11			
			0. 047uF		(G, 1T)				PIN 2P (AEP, G, I	T. EE. UK)
	1-101-006-00				(G, 1T)				CONNECTOR 3P	.,,,
	1-161-494-00		0. 022uF		(G, 1T)	7 UN1200	1 004 000 11	1 200,	JOHN LOTON V	
	1-161-494-00		0. 022uF		507	+ CN1204	1_564_510_11	PLHG	CONNECTOR 7P	
C1262	1-126-233-11	ELECT	22uF	20%	307		1-568-934-11			
				0.00/	FAW				T, CONNECTOR 19F	)
	1-126-233-11		22uF	20%	50V					
	1-161-494-00		0.022uF	25V	(G, IT)				CONNECTOR 3P	
C1302	1-102-394-11	CERAMIC	0.01uF		250V	* CN1212	1-564-508-11	PLUG,	CONNECTOR 5P	
C1304	1-126-413-11	ELECT	3300uF	20%	35V				00HHE0TOD 0D /45	.D O IT FF UV)
C1305	1-126-413-11	ELECT	3300uF	20%	35V	* CN1301	1-566-210-11	PIN,	CONNECTOR 3P (A	:P, G, 11, EE, UK)
C1306	1-124-477-11	ELECT	47uF	20%	25V			< D10	DE >	
	1-126-101-11		100uF	20%	16V					
	1-126-101-11		100uF	20%	16V	D351	8-719-912-20	DIODE	188120 (AEP, 0	G, IT, EE, UK)
	1-124-563-11		2200uF	20%	25V	D1202	8-719-912-20	DIODE	188120	
			6800uF	20%	25V		8-719-912-20			
C1313	1-126-946-11	ELEGI	ooovai	2070	200		8-719-912-20			
0.1.0.1.0	4 404 400 00	FLEAT	0 1E	2.0%	50V		8-719-312-09			
	1-124-463-00		0. 1uF	20%	50V	DIOUZ	0 110 012 00	01000		
	1-124-907-11		10uF	20%		D1202	8-719-200-82	DIADE	11ES2	
	1-161-379-00		0.01uF	20%	25V		8-719-200-82			
	1-161-379-00		0.01uF	20%	25V					
C1324	1-124-907-11	ELECT	10uF	20%	50V		8-719-200-82			
							8-719-200-82			
	1-124-907-11		10uF	20%	50V	01318	8-719-200-82	ועטוע	11ES2	
	1-126-101-11		100uF	20%	16V				- 44500	
C1331	1-102-394-11	CERAMIC	0.01uF		250V		8-719-200-82			
C1335	1-124-907-11	ELECT 10uF	20% 50V	(AEP, G, IT	EE, UK)		8-719-912-20			
C1336	1-126-101-11	ELECT 100uf	20% 16V	(AEP, G, IT	EE, UK)	D1323	8-719-912-20	DIODE		
							8-719-912-20			
C1341	1-124-907-11	ELECT	10uF	20%	50V	D1341	8-719-001-76	DIODI	E UZL-12M3	
	1-124-925-11		2. 2uF	20%	100V					
	1-124-122-11		100uF	20%	50V	D1368	8-719-200-82	DIODI	E 11ES2	
	1-126-105-11		1000uF	20%	35V	D1369	8-719-200-82	DIOD	E 11ES2	
	1-136-165-00		0. 1uF	5%	50V			< FRI	ONT END >	
		ruu	0.1	5%	50V			V 110	ONT END >	
	1-136-165-00		0. 1uF		50V	EE201	1_463_857_21	ERON.	T END (FM) (G, IT	١
	1-124-122-11		100uF	20%						G) (US, CND, AEP, UK)
C1381	1-136-165-91	FILM	0. 1uF	5%	50V				T END (FM) (3 GAN	
		< FILTER >								NT (AEP, G, IT, EE, UK)
						FE352	1-239-260-11	ENCA	PSULATED COMPONE	NI (US, CND)
		FILTER, CERAMIC		, AEP, EE, UK	)		4 000 004 44	FHAA	DOM: 4750 0000000	NT (AED & LT EE UV)
CF301	1-567-389-11	FILTER, CERAMIC	C (G, IT)			FE352	1-239-261-11	ENCA	PSULATED COMPONE	NT (AEP, G, IT, EE, UK)
		FILTER, CERAMI		, AEP, EE, UK	)					
CF303	1-567-389-1	FILTER, CERAMI	C (G, IT)					< 1C	>	
CF304	1-577-075-1	OSCILLATOR, CE	RAMIC							
						1C301	8-759-821-45	5 IC	LA1851N	
		< CONNECTOR >				IC400	8-759-604-86	5 IC	M5F7807L	
							8-759-821-93		LA5601	
* CN402	1-568-822-1	SOCKET, CONNEC	TOR 22P			10402	8-752-337-26	5 IC	CXD2500AQ	
* CN403	1-568-842-1	SOCKET, CONNEC	TOR 27P			IC403	8-752-337-09	9 IC	CXD2554P	
		PIN, CONNECTOR					•			
		PIN, CONNECTOR				10404	8-759-506-6	3 IC	PCM67U	
		SOCKET, CONNEC				10406	8-759-634-5	1 IC	M5218AP	
T 011001	1 000 000 1	, 5001121, 00111120					8-759-634-5		M5218AP	
						1				

C1080   8-759-928-91   C			Description	Remark		Part No.	Description		Remark
COURT   8-758-63-63-10   C   M2518AP   C   C   C   C   C   C   C   C   C								DTA114FS	
C101602 8-759-008-48   C									
C10108 2-759-000-48   C									
	IC1002	8-759-000-48	IC MC14052	BCP					
	IC1003	8-759-634-51	IC M5218AP		Q521	8-729-202-67	TRANSISTOR	2SK246-GR3	
101300 8-759-804-86 IC M5F7807L					Q522	8-729-201-84	TRANSISTOR	2SC3112-B	
C1304 8-759-804-90   C									
	1C1303	8-759-604-86	1C M5F7807	L					AEP, G, IT, EE, UK)
	101304	8_750_604_00	IC M5E7007	1	Q1001	8-729-11 IKA	VSISIOR 2SA	11/5-HFE	
C1306 8-759-231-58 IC M5F7812L (AEP, 0, IT, EE, UK)					01002	8-729-900-36	SOTELENAST	DTC124EC	
Coling				L (AEP. G. IT. EE. UK)					
TRANSFORMER									
FT301   1-404-713-11 TRANSFORMER,   F			< TRANSFORME	R >	01204	8-729-900-63			
COIL					Q1302	8-729-209-15	TRANSISTOR	2SD2012	
COLD   Coll	IFT301	1-404-713-11	TRANSFORMER,	IF					
							< RESISTOR >		
L301 1-407-560-01 NDUCTOR 1mH (US.CND) L301 1-407-500-01 NDUCTOR 4.7mH (AFP, 0, IT, EE, UX) L301 1-407-500-01 NDUCTOR 220 (AFP, 0, IT, EE, UX) L301 1-408-117-00 INDUCTOR 10 (A, T) (B, IT) L301 1-408-117-00 INDUCTOR 10 (A, IT) L302 1-408-117-00 INDUCTOR 10 (A, IT) L501 1-208-118-00 FILTER (A, IT) LF901 1-235-164-00 FILTER (A, IT			< COIL >		D004	1 040 404 41	OADDON	,,,	4 / 42.11
L331 1-497-500-00 INDUCTOR	1301	1_410_686_11	LNDUCTOR	1mH (US CND)					
L\$15\$   1-410-525-11   NDUCTOR   220UH (G, IT, EE, UK)   R303   1-249-411-11   CARBON   330   5%   1/4W (G, IT)				• • •					
L1301   1-408-117-00   INDUCTOR   10uH (G, IT)									
L1302   1-408-117-00   INDUCTOR   10H (G, IT)     R305   1-249-411-11   CARBON   330   5%   1/4W (G, IT)   R306   1-249-414-11   CARBON   560   5%   1/4W (G, IT)   R307   1-249-414-11   CARBON   560   5%   1/4W (G, IT)   R307   1-249-414-11   CARBON   560   5%   1/4W (G, IT)   R307   1-249-414-11   CARBON   330   5%   1/4W   (G, IT)   R307   1-249-414-11   CARBON   330   5%   1/4W   (G, IT)   R307   1-249-414-11   CARBON   330   5%   1/4W   (G, IT)   R307   1-249-414-11   CARBON   330   5%   1/4W   (G, IT)   R308   R309   1-249-414-11   CARBON   330   5%   1/4W   (G, IT)   R308   R309   1-249-414-11   CARBON   330   5%   1/4W   (G, IT)   R308   R309   1-249-414-11   CARBON   330   5%   1/4W   (G, IT)   R309   R									
FILTER   R306   1-249-434-11   CARBON   27K   5%   1/4W   (6, IT)	L1302	1-408-117-00	INDUCTOR	10uH (G, IT)					(, (,,,
LPF301 1-235-164-00 FILTER, LOW PASS   R303 1-249-411-11 CARBON   330 5% 1/4W					R305	1-249-411-11	CARBON	330 5%	1/4W (G, IT)
LPF301 1-235-164-00 FILTER, LOW PASS R308 1-249-411-11 CARBON 330 5% 1/4W LPF302 1-235-164-06 FILTER, LOW PASS R309 1-249-422-11 CARBON 18K 5% 1/4W LPF302 1-235-164-06 FILTER, LOW PASS LPF302 1-235-164-31 FILTER, LOW PASS LPF302 1-235-164-31 FILTER, LOW PASS LPF302 1-235-164-31 FILTER, LOW PASS    R310 1-249-411-11 CARBON 27K 5% 1/4W   R311 1-249-434-11 CARBON 56K 5% 1/4W   R312 1-249-411-11 CARBON 56K 5% 1/4W   R312 1-249-405-11 CARBON 100 5% 1/4W   R313 1-249-405-11 CARBON 100 5% 1/4W   R314 1-249-437-11 CARBON 33K 5% 1/4W (G, IT)   R315 1-249-405-11 CARBON 33K 5% 1/4W (G, IT)   R316 1-249-425-11 CARBON 33K 5% 1/4W (G, IT)   R316 1-249-425-11 CARBON 32K 5% 1/4W (US, CND)   R317 1-249-417-11 CARBON 10K 5% 1/4W (G, IT, IT, IT, IT, IT, IT, IT, IT, IT, IT			< FILTER >		R306	1-249-434-11	CARBON	27K 5%	1/4W (G, IT)
LPF301   1-235-164-31 FILTER, LOW PASS   R309   1-249-432-11 CARBON   18K   5%   1/4W									
LPF302 1-235-164-00 FILTER, LOW PASS  LPF302 1-235-164-01 FILTER, LOW PASS  R310 1-249-411-11 CARBON 330 5% 1/4W  R311 1-249-434-11 CARBON 560 5% 1/4W  R312 1-249-414-11 CARBON 560 5% 1/4W  R313 1-249-401-11 CARBON 100 5% 1/4W  R314 1-249-437-11 CARBON 100 5% 1/4W  R315 1-249-437-11 CARBON 100 5% 1/4W  R316 1-249-437-11 CARBON 47K 5% 1/4W (G, IT)  R316 1-249-437-11 CARBON 38K 5% 1/4W (G, IT)  R317 1-249-437-11 CARBON 38K 5% 1/4W (G, IT)  R318 1-249-432-11 CARBON 10K 5% 1/4W (G, IT)  R319 1-249-432-11 CARBON 10K 5% 1/4W (G, IT)  R310 1-249-437-11 CARBON 10K 5% 1/4W  R311 1-249-437-11 CARBON 38K 5% 1/4W (G, IT)  R311 1-249-437-11 CARBON 38K 5% 1/4W (G, IT)  R312 1-249-437-11 CARBON 38K 5% 1/4W (G, IT)  R313 1-249-432-11 CARBON 38K 5% 1/4W (G, IT)  R314 1-249-432-11 CARBON 38K 5% 1/4W (G, IT)  R315 1-249-432-11 CARBON 38K 5% 1/4W (G, IT)  R316 1-249-429-11 CARBON 10K 5% 1/4W (G, IT)  R317 1-249-417-11 CARBON 10K 5% 1/4W  R319 1-249-432-11 CARBON 33K 5% 1/4W  R319 1-249-432-11 CARBON 38K 5% 1/4W  R320 1-249-429-11 CARBON 18K 5% 1/4W  R321 1-249-429-11 CARBON 10K 5% 1/4W  R323 1-249-429-11 CARBON 10K 5% 1/4W  R324 1-249-429-11 CARBON 10K 5% 1/4W  R325 1-249-429-11 CARBON 10K 5% 1/4W  R326 1-249-429-11 CARBON 10K 5% 1/4W  R327 1-249-437-11 CARBON 10K 5% 1/4W  R328 1-249-437-11 CARBON 10K 5% 1/4W  R328 1-249-439-11 CARBON 10K 5% 1/4W									
LPF302					K309	1-249-432-11	CARBON	18K 5%	1/4W
R311   1-249-434-11   CARBON   27K   5%   1/4W   R312   1-249-414-11   CARBON   500   5%   1/4W   R312   1-249-416-11   CARBON   500   5%   1/4W   R313   1-249-405-11   CARBON   100   5%   1/4W   R314   1-249-437-11   CARBON   100   5%   1/4W   R315   1-249-437-11   CARBON   100   1/4W   R315   1-249-437-11   CARBON   1/4W					R310	1-2/0-/11-11	CARRON	330 5%	1 / 4₩
R312	LITUUL	1 200 104 01	TIETEN, EVN						
R313   1-249-405-11   CARBON   100   5%   1/4W   (G, IT)			< IC LINK >						•
Caranasistor   Cara					R313				** ***
R315   1-249-435-11   CARBON   33K   5%   1/4W   (G, IT)	<u></u> ₱\$401	1-532-675-00	LINK, IC	1. 5A	R314	1-249-437-11	CARBON	47K 5%	1/4W (G, IT)
R315   1-249-435-11   CARBON   33K   5%   1/4W   (G, IT)									
R310			< TRANSISTOR	>					•
Color	0201	0 720 220 00	TDANCICTOD	171 OV VO 0226222					
R317   1-249-417-11   CARBON   1K   5%   1/4W									
Color									
R319 1-249-428-11 CARBON 8. 2K 5% 1/4W  0307 8-729-900-80 TRANSISTOR DTC114ES R320 1-249-432-11 CARBON 3. 3K 5% 1/4W  0308 8-729-119-78 TRANSISTOR 2SC2785-HFE  0351 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0352 8-729-119-78 TRANSISTOR 2SC2785-HFE (AEP. G, IT. EE, UK)  0353 8-729-119-76 TRANSISTOR 2SC1785-HFE (AEP. G, IT. EE, UK)  0354 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0355 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0356 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0357 8-729-119-76 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0358 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0359 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0351 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0352 8-729-110-76 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0354 8-729-10-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0355 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0356 8-729-10-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0357 8-729-141-30 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0358 8-729-141-30 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0359 8-729-141-30 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP. G, IT. EE, UK)  0350 8-729-00-80 TRANSISTOR DTC114ES (AEP.						1 240 411 11	ombon.	1 K 0/6	17 411
R319   1-249-428-11   CARBON   8. 2K   5%   1/4W					R318	1-249-435-11	CARBON	33K 5%	1/4W
0307 8-729-900-80 TRANSISTOR DTC114ES 0308 8-729-119-78 TRANSISTOR 2SC2785-HFE 0351 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0352 8-729-119-78 TRANSISTOR 2SC2785-HFE (AEP. G, IT, EE, UK) 0353 8-729-119-76 TRANSISTOR 2SC2785-HFE (AEP. G, IT, EE, UK) 0354 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0355 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0356 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0357 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0358 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0359 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0351 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0352 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0355 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0356 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0357 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0358 8-729-141-30 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0359 8-729-100-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900-80 TRANSISTOR DTC114ES (AEP. G, IT, EE, UK) 0350 8-729-900					R319	1-249-428-11	CARBON	8.2K 5%	1/4W
Q308       8-729-119-78       TRANSISTOR       2SC2785-HFE         Q309       8-729-119-78       TRANSISTOR       2SC2785-HFE         Q351       8-729-900-80       TRANSISTOR       DTC114ES (AEP, G, IT, EE, UK)         R323       1-249-418-11       CARBON       1. 2K 5% 1/4W (US, CND, AEP, EE, UK)         R323       1-249-417-11       CARBON       1. 2K 5% 1/4W (US, CND, AEP, EE, UK)         R323       1-249-417-11       CARBON       1. 2K 5% 1/4W (US, CND, AEP, EE, UK)         R323       1-249-417-11       CARBON       1. 2K 5% 1/4W (US, CND, AEP, EE, UK)         R324       1-249-417-11       CARBON       1. 2K 5% 1/4W (US, CND, AEP, EE, UK)         R325       1-249-417-11       CARBON       1. 2K 5% 1/4W (US, CND, AEP, EE, UK)         R326       1-249-417-11       CARBON       1. 2K 5% 1/4W (US, CND, AEP, EE, UK)         R327       1-249-429-11       CARBON       1. 2K 5% 1/4W (US, CND, AEP, EE, UK)         R328       1-249-429-11       CARBON       1. 2K 5% 1/4W (US, CND, AEP, EE, UK)         R329-119-76       TRANSISTOR       2SC1175-HFE (AEP, G, IT, EE, UK)       R321       1-249-429-11       CARBON       10K 5% 1/4W         R326       1-249-409-11       CARBON       20 5% 1/4W       1/4W         R327						1-249-432-11	CARBON	18K 5%	1/4W
0309 8-729-119-78 TRANSISTOR 2SC2785-HFE 0351 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0352 8-729-119-78 TRANSISTOR 2SC2785-HFE (AEP, G, IT, EE, UK)  0353 8-729-119-76 TRANSISTOR 2SA1175-HFE (AEP, G, IT, EE, UK)  0354 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0355 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0356 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0357 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0358 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0359 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-900-80 T									
0351 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0352 8-729-119-78 TRANSISTOR 2SC2785-HFE (AEP, G, IT, EE, UK)  0353 8-729-119-76 TRANSISTOR 2SA1175-HFE (AEP, G, IT, EE, UK)  0354 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0355 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0356 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0357 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0358 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0359 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0350 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0351 1-249-417-11 CARBON 1.2K 5% 1/4W (US, CND, AEP, EE, UK)  0352 1-249-417-11 CARBON 10K 5% 1/4W  0353 1-249-429-11 CARBON 20 5% 1/4W  0354 1-249-409-11 CARBON 47K 5% 1/4W  0355 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0356 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0357 1-249-437-11 CARBON 47K 5% 1/4W  0358 1-249-437-11 CARBON 30K 5% 1/4W					R322	1-249-429-11	CARBON	10K 5%	1/4W
R323 1-249-417-11 CARBON 1K 5% 1/4W (G, IT)  0352 8-729-119-78 TRANSISTOR 2SC2785-HFE (AEP, G, IT, EE, UK)  0353 8-729-119-76 TRANSISTOR 2SA1175-HFE (AEP, G, IT, EE, UK)  0354 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0355 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0356 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0356 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK)  0357 1-249-437-11 CARBON 47K 5% 1/4W  0358 1-249-437-11 CARBON 47K 5% 1/4W  0413 8-729-141-30 TRANSISTOR 2SC3623A-LK  R321 1-249-429-11 CARBON 47K 5% 1/4W  R322 1-249-437-11 CARBON 330K 5% 1/4W					Dooo	1 040 410 11	CADDON 1 OF	/ En/ 4 / AN/ (II	0 000 450 55 000
0352 8-729-119-78 TRANSISTOR 2SC2785-HFE (AEP, G, IT, EE, UK) 0353 8-729-119-76 TRANSISTOR 2SA1175-HFE (AEP, G, IT, EE, UK) 0354 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0355 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0356 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0356 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0357 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0358 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0359 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0350 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0350 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0350 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0350 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0350 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0350 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0350 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0350 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0350 8-729-100-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0351 1-249-429-11 CARBON 10K 5% 1/4W 0352 1-249-437-11 CARBON 47K 5% 1/4W 0413 8-729-141-30 TRANSISTOR 2SC3623A-LK 0413 8-729-141-30 TRANSISTOR 2SC3623A-LK 0413 8-729-141-30 TRANSISTOR 2SC3623A-LK	4001	0 123 300-00	INAMOIOION	VIVITAES (WELL, O, 11, EE, OK)					
0353 8-729-119-76 TRANSISTOR 2SA1175-HFE (AEP, G, IT, EE, UK) 0354 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0355 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0356 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0356 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0357 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0358 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0359 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0350 8-729-141-30 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0350 8-729-141-30 TRANSISTOR 2SC3623A-LK 0350 1-249-429-11 CARBON 200 5% 1/4W 0351 1-249-437-11 CARBON 47K 5% 1/4W 0352 1-249-437-11 CARBON 30K 5% 1/4W	Q352	8-729-119-78	TRANSISTOR	2SC2785-HFE (AEP. G. IT. EE. UK)					
0354 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0355 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0356 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) R327 1-249-437-11 CARBON 47K 5% 1/4W R328 1-249-437-11 CARBON 47K 5% 1/4W 0413 8-729-141-30 TRANSISTOR 2SC3623A-LK R331 1-247-891-00 CARBON 330K 5% 1/4W									· ·
0355 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) 0356 8-729-900-80 TRANSISTOR DTC114ES (AEP, G, IT, EE, UK) R327 1-249-437-11 CARBON 47K 5% 1/4W R328 1-249-437-11 CARBON 47K 5% 1/4W 0413 8-729-141-30 TRANSISTOR 2SC3623A-LK R331 1-247-891-00 CARBON 330K 5% 1/4W	Q354	8-729-900-80	TRANSISTOR	DTC114ES (AEP, G, IT, EE, UK)					
R328 1-249-437-11 CARBON 47K 5% 1/4W Q413 8-729-141-30 TRANSISTOR 2SC3623A-LK R331 1-247-891-00 CARBON 330K 5% 1/4W		8-729-900-80	TRANSISTOR						
Q413 8-729-141-30 TRANSISTOR 2SC3623A-LK R331 1-247-891-00 CARBON 330K 5% 1/4W	Q356	8-729-900-80	TRANSISTOR	DTC114ES (AEP, G, IT, EE, UK)					
			TRANSICE:						
U414 8-729-900-01 FRANSISION DIATITYES   R332 1-247-891-00 CARBON 330K 5% 1/4W									
	Q414	0-129-900-61	1KAN21210R	DIATI4ES	K332	1-24/-891-00	CARBON	330K 5%	1/4W

The components identified by mark \( \underbrack \) or dotted line with mark \( \underbrack \) are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifé.

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description			Remark
R333	1-249-421-11	CARBON	2. 2K 5%	1/4W	R446	1-249-435-11		33K	5%	1/4W
11000	1 240 421 11	omino ii		,	R447	1-249-441-11	CARBON	100K	5%	1/4W
R334	1-249-421-11	CARBON	2.2K 5%	1/4W	R448	1-249-441-11	CARBON	100K	5%	1/4W
R335	1-249-420-11		1. 8K 5%	1/4W						
R336	1-249-420-11		1. 8K 5%	1/4W	R449	1-249-425-11	CARBON	4.7K	5%	1/4W
R337	1-249-426-11		5. 6K 5%	1/4W	R450	1-249-425-11		4. 7K	5%	1/4W
R338	1-249-426-11		5. 6K 5%	1/4W	R460	1-249-441-11		100K	5%	1/4W
пооо	1-249-420-11	CARDON	J. UK 3/0	17 411	R461	1-249-441-11		100K	5%	1/4W
D0E1	1-249-433-11	CADDON	22V FW 1/AW	(AEP, G, 1T, EE, UK)	R467	1-249-429-11		10K	5%	1/4W
R351				(AEP, G, IT, EE, UK)	11401	1 240 420 11	onno in		***	.,
R352	1-249-437-11		1	(AEP, G, IT, EE, UK)	R501	1-249-417-11	CARRON	1 K	5%	1/4W
R353	1-247-903-00				R502	1-249-417-11		1 K	5%	1/4W
R354	1-249-441-11		•	(AEP, G, IT, EE, UK)	R503	1-249-417-11		1 K	5%	1/4W
R355	1-249-433-11	CAKBON	22K 5% 1/4W	(AEP, G, IT, EE, UK)				1 K	5%	1/4W
			0 01/ 50/ 4 /411	(AED 0 IT EE IIV)	R504	1-249-417-11		10K	5%	1/4W
R356	1-249-421-11			(AEP, G, IT, EE, UK)	R505	1-249-429-11	CANDON	IUK	J/8	1/ 411
R361	1-249-437-11		47K 5%	1/4W	DEAC	1 040 417 11	CARRON	1 1/	E0/	1/4W
R362	1-249-437-11		47K 5%	1/4W	R506	1-249-417-11		1 K	5%	
R363	1-249-425-11			(AEP, G, IT, EE, UK)	R510	1-249-401-11		47	5%	1/4W
R364	1-249-425-11	CARBON	4.7K 5% 1/4W	(AEP, G, IT, EE, UK)	R511	1-249-429-11		10K	5%	1/4W
					R512	1-249-425-11		4. 7K		1/4W
R365	1-249-429-11	CARBON	•	(AEP, G, IT, EE, UK)	R513	1-249-417-11	CARBON	1 K	5%	1/4W
R366	1-249-413-11	CARBON	470 5% 1/4W	(AEP, G, IT, EE, UK)						
R367	1-249-434-11	CARBON	27K 5% 1/4W	(AEP, G, IT, EE, UK)	R514	1-249-429-11		10K	5%	1/4W
R368	1-249-433-11	CARBON	22K 5% 1/4W	(AEP, G, IT, EE, UK)	R515	1-249-417-11	CARBON	1 K	5%	1/4W
R401	1-249-405-11	CARBON	100 5%	1/4W	R521	1-249-423-11	CARBON	3.3K	5%	1/4W
					R522	1-249-425-11	CARBON	4. 7K	5%	1/4W
R408	1-249-429-11	CARBON	10K 5%	1/4W	R523	1-249-414-11	CARBON	560	5%	1/4W
R409	1-249-423-11	CARBON	3.3K 5%	1/4W						
R410	1-249-423-11	CARBON	3.3K 5%	1/4W	R 5 2 4	1-249-417-11	I CARBON	1 K	5%	1/4W
R411	1-249-441-11		100K 5%	1/4W	R525	1-249-410-1	CARBON	270	5%	1/4W
R412	1-249-429-11		10K 5%	1/4W	R526	1-249-421-1	CARBON	2.2K	5%	1/4W
					R527	1-249-425-1	1 CARBON	4.7K	5%	1/4W
R413	1-249-417-11	CARBON	1K 5%	1/4W	R528	1-249-425-1	1 CARBON	4. 7K	5%	1/4W
R414	1-249-417-11		1K 5%							
R415	1-249-420-11	•	1.8K 5%		R529	1-249-405-1	1 CARBON	100	5%	1/4W
R416	1-249-417-11		1K 5%		R530	1-249-405-1		100	5%	1/4W
R417	1-249-417-11		1K 5%		R531	1-249-423-1		3. 3K 5% 1/	4W (	AEP, G. IT. EE, UK
11411	1 243 417 11	OMIDON	110	.,	R532	1-249-433-1	1 CARBON	22K 5% 1/	4W (	AEP. G. IT. EE, UK
R418	1-249-417-11	CAPRON	1K 5%	1/4W	R533	1-249-414-1		560 5% 1/	4W (	AEP, G, IT, EE, UK
			1K 5%	•				,	,	
R419	1-249-417-11		22K 5%		R534	1-249-417-1	1 CARBON	1K 5% 1/	4W (	AEP, G, IT, EE, UN
R420			470 5%		R535	1-249-410-1				AEP, G, IT, EE, U
R421	1-249-413-11				R536	1-249-421-1				AEP, G, IT, EE, U
R422	1-249-413-1	CARBUN	470 5%	1/411	R537	1-249-425-1				AEP, G, IT, EE, UI
D 400	1 040 447 4	CADDON	1 V E0/	1/4W	R538	1-249-425-1				/4W (AEP, EE, U)
R423	1-249-417-1		1K 5%		1,000	1 275-400-1	, omnovn	100 0/		, (,, 0)
R424	1-249-417-1		1K 5%		D1001	1-249-417-1	1 CARRON	1 K	5%	1/4W
R425	1-249-417-1		1K 5%		R1001			100K		1/4W
R426	1-249-418-1		1. 2K 5%			1-249-441-1				
R427	1-249-418-1	CARBON	1.2K 5%	1/4W	R1003			820	5%	1/4W
					R1004			560K		1/4W
R437	1-249-417-1		1K 5%		R1005	1-249-437-1	I CAKBON	47K	5%	1/4W
R438	1-249-417-1	CARBON	1K 5%							4.440
R441	1-249-441-1	CARBON	100K 5%	1/4W	1	1-249-409-1		220	5%	1/4W
R442	1-249-441-1	CARBON	100K 5%	1/4W	1	1-249-441-1		100K		1/4W
R443	1-249-429-1	CARBON	10K 5%	1/4W	R1008	1-249-409-1	1 CARBON	220	5%	1/4W
						1-249-441-1		100K		1/4W
R444	1-249-429-1	CARBON	10K 5%	1/4W	R1012	1-249-417-1	1 CARBON	1 K	5%	1/4W
R445	1-249-435-1		33K 5%	1/4W						

### MAIN PANEL

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description				nark
R1013	1-249-441-11	CARBON	100K	5%	1/4W		1-249-417-11		1 K	5%	1/4W	
R1014	1-249-437-11	CARBON	47 K	5%	1/4W							
R1015	1-249-437-11	CARBON	47 K	5%	1/4W	R1322	1-249-429-11	CARBON	10K	5%	1/4W	
R1016	1-249-421-11	CARBON	2.2K	5%	1/4W	R1345	1-249-421-11	CARBON	2.2K	5%	1/4W	
R1017	1-249-421-11	CARBON	2. 2K	5%	1/4W	R1346	1-249-425-11	CARBON 4.7K	5% 1/4		P, G, IT,	EE, UK)
R1018	1-249-433-11	CARBON	22K	5%	1/4W			< VARIABLE RESI	STOR >			
R1019	1-249-433-11	CARBON	22K	5%	1/4W							
R1021	1-249-434-11	CARBON	27K	5%	1/4W	RV301	1-238-601-11	RES, ADJ, CARBO	N 22K			
R1023	1-249-434-11	CARBON	27K	5%	1/4W	RV302	1-238-601-11	RES. ADJ. CARBO	N 22K			
R1024	1-249-417-11	CARBON	1 K	5%	1/4W							
R1026	1-249-433-11	CARBON	22K	5%	1/4W			< RELAY >				
R1029	1-249-433-11	CARBON	22K	5%	1/4W	RY1201	1-515-533-11	RELAY				
R1034	1-249-425-11	CARBON	4.7K	5%	1/4W							
R1035	1-249-437-11	CARBON	47K	5%	1/4W			< TRANSFORMER >	,			
	1-249-425-11		4.7K	5%	1/4W							
						T301		TRANSFORMER, DI				
	1-249-421-11		2. 2K		1/4W	T302	1-235-126-00	ENCAPSULATED CO	MPONENT	(G, 1	T)	
R1051	1-249-417-11	CARBON	1 K	5%	1/4W							
R1052	1-249-441-11	CARBON	100K	5%	1/4W			< TERMINAL BOAR	ID >			
R1053	1-249-416-11	CARBON	820	5%	1/4W							
R1054	1-247-897-11	CARBON	560K	5%	1/4W			TERMINAL BOARD				
						* TM301	1-537-288-11	TERMINAL BOARD	(PAL) (	AEP, G,	IT. EE.	UK)
R1055	1-249-437-11	CARBON	47K	5%	1/4W							
R1056	1-249-409-11	CARBON	220	5%	1/4W			< TEST PIN >				
R1057	1-249-441-11	CARBON	100K	5%	1/4W							
R1058	1-249-409-11	CARBON	220	5%	1/4W	* TP1	1-560-060-00	PIN, CONNECTOR	2 P			
R1061	1-249-441-11	CARBON	100K	5%	1/4W			< CRYSTAL >				
D1062	1-249-417-11	CADDON	1 K	5%	1/4W			V ONTOTAL /				
	1-249-441-11		100K		1/4W	X401	1 567 000 11	VIBRATOR, CRYST	AL /1CM	11-1		
	1-249-434-11		27K	5%	1/4W	A401	1-301-900-11	VIDRAIUN, CRISI	AL (10M	nZ)		
	1-249-434-11		27K	5%	1/4W			< CRYSTAL >				
	1-249-434-11		1 K	5%	1/4W			C UNTOTAL >				
N 1074	1-249-411-11	CANDON	11	376	1/411	XT501	1-577-126-11	VIBRATOR, CRYST	TAL (7.5	MHz)		
R1095	1-249-433-11	CARBON	22K	5%	1/4W	XT501	1-579-383-11	VIBRATOR, CRYST	AL			
R1222	1-249-415-11	CARBON	680	5%	1/4W	******	******	******	*****	****	*****	<b>***</b> *
R1223	1-249-415-11	CARBON	680	5%	1/4W							
R1226	1-215-887-00	METAL OXIDE	150	5%	2W F	*	A-4347-061-A	PANEL BOARD, CO	MPLETE	(AEP.	G, UK)	
R1233	1-249-432-11	CARBON	18K	5%	1/4W	*	A-4347-360-A	PANEL BOARD, CO	MPLETE	(IT)		
						*	A-4347-519-A	PANEL BOARD, CO	MPLETE	(US, CI	ND)	
R1234	1-249-432-11	CARBON	18K	5%	1/4W	*	A-4347-894-A	PANEL BOARD, CO	MPLETE	(EE)		
R1235	1-249-435-11	CARBON	33K	5%	1/4W			*********	*****	****	****	
R1236	1-249-441-11	CARBON	100K	5%	1/4W							
	1-249-429-11		10K	5%	1/4W	*	4-930-781-11	HOLDER (VO). LE	D			
	1-249-438-11		56K	5%	1/4W	*	4-942-301-01	HOLDER, FL TUBE				
						*		HOLDER (FU), LE				
R1241	1-249-385-11	CARBON	2. 2	5%	1/6W (G, IT)	*		CUSHION (FL)				
	1-249-385-11		2. 2	5%	1/6W (G, IT)	·	4 040 000 01	(12)				
	1-249-385-11		2. 2	5%	1/6W (G, IT)			< CAPACITOR >				
	1-249-385-11		2. 2	5%	1/6W (G, IT)			· ONLIVITOR /				
	1-249-365-11		680	5%	1/4W	C603	1-136-169-00	FILM	0. 22uF		5%	50V
N 12/2	1-243-413-11	VARIDOR	000	J /d	1/ 411	C604	1-164-159-11		0. 22ur 0. 1uF		J/0	50 V
R1273		OADDON	600	5%	1/4W	C605	1-125-486-11	DOUBLE LAYERS	0.22F			5. 5V
	1-249-415-11	CARBON	680	070	.,							
R1290	1-249-415-11 1-249-437-11		47K	5%	1/4W	C606	1-164-159-11		0. 1uF			50V
		CARBON			·			CERAMIC	0. 1uF 10uF		20%	50 V 50 V

### PANEL

	Part No.	Description			mark	Ref. No.	Part No.	Descript		Remark
C608	1-161-379-00	CERAMIC	0. 01uF	20%	25V			< DIODE		
C609	1-161-379-00		0. 01uF	20%	25V				•	
	1-124-907-11		10uF	20%	50V	D601	8-719-912-20	DIODE	188120	
	1-124-257-00		2. 2uF	20%	50V	D602	8-719-010-26		UZ-3.9BSB	
	1-124-589-11		47uF	20%	16V	D603	8-719-912-20	DIODE	188120	
01102	1 124 000 11		7741	2070		D604	8-719-912-20		188120	
01103	1-162-282-31	CERAMIC	100PF	10%	50V	D611	8-719-912-20		188120	
	1-124-257-00		2. 2uF	20%	50V		•			
	1-124-464-11		0. 22uF	20%	50V	D612	8-719-912-20	DIODE	188120	
	1-136-161-00		0. 047uF	5%	50V	D613	8-719-912-20		1\$\$120	
	1-136-155-00		0. 015uF	5%	50V	D614	8-719-912-20	DIODE	188120	
01101						D618	8-719-912-20	DIODE	188120	
C1108	1-136-155-00	FILM	0. 015uF	5%	50V	D621	8-719-912-20		188120 (US, CND, IT)	
	1-130-480-00		0. 0056uF	5%	50V					
	1-161-327-00		0. 0033uF	20%	16V	D622	8-719-912-20	DIODE	188120 (EE)	
	1-136-155-00		0. 015uF	5%	50V	D624	8-719-912-20		188120 (US, CND, EE)	
	1-136-157-00		0. 022uF	5%	50V	D625	8-719-912-20		188120	
01112	1 100 701 00	1 I EM	***************************************	••		D636	8-719-912-20		188120	
01113	1-136-153-00	FILM	0. 01uF	5%	50V	D641	8-719-200-82		11ES2	
	1-161-377-00		0. 0047uF	20%	16V					
	1-124-257-00		2. 2uF	20%	50 V	D1130	8-719-302-45	LED	SEL1210S (VIDEO)	
	1-161-379-00		0. 01uF	20%	25V	,	8-719-302-45		SEL1210S (CD)	
	1-162-286-31		220PF	10%	50V		8-719-302-45		SEL1210S (PHONO)	
01120	1 102 200 01	CENTANTO	22011	, • , •			8-719-302-45		SEL1210S (TUNER)	
C1131	1-162-215-31	CERAMIC	47PF	5%	50V		8-719-302-45		SEL1210S (TAPE)	
	1-162-215-31		47PF	5%	50V				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	1-124-257-00		2. 2uF	20%	50V	D1145	8-719-301-39	LED	SEL2210S-D (VOLUME)	
	1-124-589-11		47uF	20%	16V		8-719-912-20		188120	
	1-162-282-31		100PF	10%	50V		8-719-912-20		188120	
01100	1 102 202 01	O E II / III / O	10011	1 477			8-719-912-20		188120	
C1154	1-124-257-00	FLECT	2. 2uF	20%	50V					
	1-124-464-11		0. 22uF	20%	50V			< FILTE	R >	
	1-136-161-00		0. 047uF	5%	50V					
	1-136-155-00		0. 015uF	5%	50V	FL601	1-519-711-11	INDICAT	OR TUBE, FLUORESCENT	
	1-136-155-00		0. 015uF	5%	50V					
								< 10 >		
C1159	1-130-480-00	MYLAR	0.0056uF	5%	50V					
	1-161-327-00		0.0033uF	20%	16V	IC601	8-759-053-97	1C uP	D75212ACW-A21	
C1161	1-136-155-00	FILM	0.015uF	5%	50V	10602	8-749-920-83	IC GP	1U52XB	
C1162	1-136-157-00	FILM	0. 022uF	5%	50 V	IC1101	8-759-634-51	IC M5	218AP	
	1-136-153-00		0.01uF	5%	50V	1C1102	8-759-634-51	IC M5	218AP	
						IC1103	8-759-820-62	IC LB	1639	
C1164	1-161-377-00	CERAMIC	0.0047uF	20%	16V					
C1165	1-124-257-00	ELECT	2. 2uF	20%	50V	IC1104	8-759-916-12	IC SN	74HC00AN	
C1173	1-162-286-31	CERAMIC	220PF	10%	50V					
C1181	1-162-215-31	CERAMIC	47PF	5%	50V			< COIL	>	
C1182	1-162-215-31	CERAMIC	47PF	5%	50V					
						L601	1-410-521-11	INDUCTO	R 100uH	
C1197	1-161-379-00	CERAMIC	0.01uF	20%	25V					
C1198	1-161-494-00	CERAMIC	0. 022uF		25V			< TRANS	ISTOR >	
		< CONNECTOR >				Q601	8-729-119-78			
						Q602				-
		SOCKET, CONNECT				-	8-729-119-78			
CN1101	1-568-802-11	SOCKET, CONNECT	OR 19P				8-729-141-26			
						Q1121	8-729-900-36	TRANSIS	TOR DTC124ES	
						01101	0 700 040 70	TDAMOLO	TAD 0041475 USE	
						u1122	.8-729-919-76	TRANSIS	TOR 2SA1175-HFE	

### **PANEL**

	Part No.	Description			Remark		Part No.	Desc	ripti	o n			Remark
01136	8-729-900-36	TRANSISTOR	DTC124ES	:		R1122	1-247-887-00	CARR			220K	5%	1/4W
	8-729-900-36		DTC124ES				1-249-421-11				2. 2K	5%	1/4W
	8-729-900-36		DTC124ES			KIIZO	1-243-421-11	UNITE	ŅΝ	•	2. ZR	370	17 411
	8-729-900-63		DTA124ES			R1124	1-249-425-11	CARR	ΛN		4. 7K	5%	1/4W
41141	0-123-300-03	INAMOTOTOR	DINIZATO	,			1-249-433-11				22 K	5%	1/4W
01143	8-729-900-80	COTSISHAGE	DTC114ES	,			1-249-412-11				390	5%	1/4W
	8-729-900-80		DTC114ES				1-249-412-11				390	5%	1/4W
	8-729-900-61		DTA114ES			KIISS	1-249-412-11	CARB	UN	3	390	5%	1/4W
	8-729-119-78		2SC2785-			D110E	1-249-433-11	CADD	O NI	,	ייי	EA/	1 / 4111
Q1152	8-729-141-26	INANSISIUN	2SC3622A	I-LK							22K	5%	1/4W
		A DECLETAD >					1-249-433-11				22K	5%	1/4W
		< RESISTOR >	>				1-249-412-11				390	5%	1/4W
2004	1 0 10 100 11	O A D D O N	404	F0/	4 / 4111		1-249-429-11				10K	5%	1/4W
R601	1-249-429-11		10K	5%	1/4W	KIISI	1-249-441-11	CAKB	UN		100K	5%	1/4W
R602	1-249-429-11		10 K	5%	1/4W								
R603	1-249-423-11		3. 3K	5%	1/4W		1-249-417-11				1 K	5%	1/4W
R604	1-249-437-11		47 K	5%	1/4W		1-249-441-11				100K		1/4W
R605	1-249-433-11	CARBON	22K	5%	1/4W		1-249-433-11				22K	5%	1/4W
							1-249-424-11				3.9K		1/4W
R606	1-249-433-11		22 K	5%	1/4W	R1157	1-249-441-11	CARB	ON		100K	5%	1/4W
R607	1-249-439-11	CARBON	68K	5%	1/4W								
R608	1-249-417-11	CARBON	1 K	5%	1/4W	R1158	1-249-427-11	CARB	ON	(	6.8K	5%	1/4W
R609	1-249-405-11	CARBON	100	5%	1/4W	R1159	1-249-412-11	CARB	ON	(	390	5%	1/4W
R610	1-249-429-11	CARBON	10K	5%	1/4W	R1160	1-249-431-11	CARB	ON		15K	5%	1/4W
						R1161	1-249-439-11	CARB	ON	1	58K	5%	1/4W
R611	1-249-437-11	CARBON	47K	5%	1/4W	R1162	1-249-433-11	CARB	ON		22K	5%	1/4W
R612	1-249-417-11	CARBON	1 K	5%	1/4W								
R621	1-249-433-11	CARBON	22K	5%	1/4W	R1163	1-249-431-11	CARB	ON		15K	5%	1/4W
R622	1-249-433-11	CARBON	22K	5%	1/4W	R1164	1-249-429-11	CARB	ON		1.0 K	5%	1/4W
R623	1-249-433-11		22 K	5%	1/4W	1	1-249-429-11				10K	5%	1/4W
					•	1	1-247-852-11				7. 5K		1/4W
R624	1-249-433-11	CARBON	22K	5%	1/4W	1	1-247-852-11				7. 5K		1/4W
R641	1-249-417-11		1 K	5%	1/4W		,						of State
	1-249-441-11		100K		1/4W	R1168	1-249-425-11	CARB	ON		4. 7K	5%	1/4W
	1-249-417-11		1 K	5%	1/4W		1-249-425-11				4. 7K		1/4W
	1-249-431-11		15K	5%	1/4W	1	1-249-423-11				3. 3 K		1/4W
KIIVV	1 240 40111	OMBON	1010	<b>976</b>	17 411		1-249-423-11				3. 3K		1/4W
R1104	1-249-441-11	CARRON	100K	5%	1/4W	1	1-247-887-00				220K		1/4W
,	1-249-433-11		22K	5%	1/4W	1 1112	1 241 001 00	UNITE	O III		LLVI	070	17 411
	1-249-424-11		3. 9K		1/4W	P1173	1-249-421-11	CARR	ΛN		2. 2K	5%	1/4W
	1-249-441-11		100K		1/4W		1-249-425-11				4. 7K		1/4W
			6. 8K		1/4W	11114	1-243-423-11	UNITE	014	,	4. / K	370	17 4#
RIIUO	1-249-427-11	CARDON	U. OK	376	1/411			, UA	DIADI	E DECIO	TAD \		
D1100	1-249-412-11	CADDON	200	50/	1/4W			∨ VA	NIADL	E RESIS	ion >	•	
	- *		390 157	5%	:	DV1101	1_0/1_050 11	DEC	VAD	CADDON	100	/1000	(clibbulinu)
	1-249-431-11		15K	5%	1/4W		1-241-353-11			5. 1			
	1-249-439-11		68K	5%	1/4W	1	1-241-353-11						
	1-249-433-11		22K	5%	1/4W	1	1-241-351-11	100		. ,			
R1113	1-249-431-11	CAKRON	15K	5%	1/4W	1	1-241-351-11 1-241-351-11						
R1114	1-249-429-11	CARBON	10K	5%	1/4W				,				,
R1115	1-249-429-11	CARBON	10K	5%	1/4W	RV1106	1-241-351-11	RES,	VAR,	SLIDE	100k	(/100K	(3.3KHz)
R1116	1-247-852-11	CARBON	7. 5K	5%	1/4W	RV1107	1-241-351-11	RES,	VAR,	SLIDE	100k	(/100K	(10KHz)
R1117	1-247-852-11		7. 5K		1/4W		1-241-352-11						
R1118	1-249-425-11	****	4. 7K		1/4W								
								< SW	TTCH	>			
R1119	1-249-425-11	CARBON	4. 7K	5%	1/4W								
R1120	1-249-423-11		3. 3 K		1/4W	\$601	1-554-303-21	SWIT	CH. T	ACTILE	(1)		
	1-249-423-11		3. 3 K		1/4W	1 ,.	1-554-303-21						
	2.0 120 11		V. VI	-,•	.,	1 4/22-		V.111	- · · · · ·		,-/		

## PANEL POWER AMP

	Part No.	Description		nark	Ref. No.	Part No.	Description				nark 
\$603		SWITCH, TACTILE				1-161-494-00	CERAMIC	0.022	иF		(G, IT)
\$604	1-554-303-21	SWITCH, TACTILE	(4)								
\$605	1-554-303-21	SWITCH, TACTILE	(5)			1-124-257-00					50V
						1-162-286-31					
\$606	1-554-303-21	SWITCH, TACTILE	(6)			1-162-290-31		470PF	10%		√ (G, I)
\$607		SWITCH, TACTILE				1-162-286-31					
\$608		SWITCH, TACTILE			C1253	1-162-290-31	CERAMIC	470PF	10%	50V	(G, IT)
\$609		SWITCH, TACTILE							0.00/	FAU /	
\$610	1-554-303-21	SWITCH, TACTILE	(0)		C1254	1-124-910-11 1-124-477-11	FLECI	47uF		-	US, CND)
								7uF 20% 2			
\$611		SWITCH, TACTILE	* *			1-126-233-11		22uF			US, CND)
\$612		SWITCH, TACTILE				1-124-910-11		7uF 20% 5			
\$613		SWITCH, TACTILE			C1256	1-124-122-11	ELECT	100uF		20%	50V
\$614			(DUAL MODE TUNING	1	04057	1 100 105 00	CUL	۸ ۱۳		En/	EAV
\$615	1-554-303-21	SWITCH, TACTILE	(DUAL MODE TUNING	-)		1-136-165-00		0. 1uF		5%	50V
			415110.014			1-136-163-00		0.068		5%	50V
\$619		SWITCH, TACTILE				1-136-163-00		0.068		5%	50V
\$636		SWITCH, TACTILE			C1280	1-161-494-00	CERAMIC	0.022	ur	234	(G, IT)
\$637		SWITCH, TACTILE	•				( DIADE )				
\$638		SWITCH, TACTILE					< DIODE >				
\$639	1-554-303-21	SWITCH, TACTILE	(PHONO)		D1001	0.710.010.00	DIADE 1001	20			
			(41550)			8-719-912-20					
\$640	1-554-303-21	SWITCH, TACTILE	(VIDEO)		U1251	8-719-912-20	DIODE 1881	20			
		< CRYSTAL >					<  C >				
X601	1-567-775-11	VIBRATOR, CERAM	IC (4. 19MHz)		101201	8-749-920-19	IC STK4122	MK 2			
******	********	******	******	****			< COIL >				
*	A-4347-068-A	POWER AMP BOARD	, COMPLETE (AEP, EE,	UK)			( 0012 )				
*			, COMPLETE (G, IT)	,	L1201	1-420-872-00	COIL, AIR CO	RE			
*			, COMPLETE (US, CND)		L1251	1-420-872-00	COIL, AIR CO	RE			
•			*******								
							< TRANSISTOR	>			
		< CAPACITOR >			01201	8-729-140-84	TRANSISTOR	2501841-	ΡΔΓΔΓΔ		
01001	1-124-257-00	ELECT	2, 2uF 20%	50V		8-729-900-80				•	
			0% 50V (US, CND, AEP,			8-729-119-78					
	1-162-290-31			(G, IT)		8-729-140-84		2SC1841-			
			0% 50V (US, CND, AEP,		41201	0 120 140 04	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2001011		•	
	1-162-290-31			(G, IT)			< RESISTOR :	<b>&gt;</b>			
01200	1 102 200 01	o Enritti o		(4, ,							
	1-124-910-11		47uF 20% 50V (			1-249-417-11		1 K	5%	1/4W	
C1204	1-124-477-11	ELECT 47uF	20% 25V (AEP, G, IT,			1-249-438-11		56K	5%	1/4W	
C1205	1-126-233-11		22uF 20% 50V (			1-249-417-11		1 K	5%	1/4W	
C1205	1-124-910-11	ELECT 47uf	20% 50V (AEP, G, IT,	, EE, UK)		1-249-438-11		56K	5%	1/4W	
C1206	1-124-122-11	ELECT	100uF 20%	50V	R1205	1-249-425-11	CARBON	4. 7K	5%	1/4W	
C1207	1-136-165-00	FILM	0. 1uF 5%	50V	R1206	1-249-425-11	CARBON	4. 7K	5%	1/4W	
	1-126-233-11		22uF 20%	50V	R1207	1-249-425-11	CARBON	4.7K	5%	1/4W	
	1-136-165-00		0. 1uF 5%	50V	R1208	1-249-425-11	CARBON	4.7K	5%	1/4W	
	1-136-163-00		0.068uF 5%	50V	<u></u> ₹ R1209	1-212-881-11	FUSIBLE	100	5%	1/4W	F
	1-136-163-00		0.068uF 5%	50V	<u> </u> R1210	1-217-151-00	RES, METAL I	PLATE		0.2	2
C1220	1-124-910-11	ELECT	47uF 20%	50V	R1211	1-249-417-11	CARBON	1 K	5%	1/4W	
	1-161-494-00			(G, IT)		1-249-431-11		15K	5%	1/4W	
	1-161-494-00			(G, IT)		1-249-441-11		100K		1/4W	
	1-161-494-00			(G, IT)		1-249-421-11		2. 2K		1/4W	
01242											

The components identified by mark or dotted line with mark are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifé.

## POWER AMP POWER SW

Dof No	Part No.	Description			Rema	ו עם	Ref. No.	Part No	Description		Remark
KeT. NO.		Description 				1			Description		
- R1215	1-749-421-11	CARBON 2.	2 K 5	%	1/4W				< CONNECTOR >		
R1216	1-249-421-11	CARBON 2.	2K 5	%	1/4W		* CN1301	1-564-509-11	PLUG, CONNECTOR	6 P	
R1217	1-249-421-11	CARBON 2.	2K 5	%	1/4W		CN1302	1-506-469-11	CONNECTOR	4P, MALE	
	1-249-397-11		2 5	%	1/4W		* CN1350	1-580-230-11	PIN, CONNECTOR (	(PC BOARD) 3	P
	1-249-397-11				1/4W				, , , , , , , , , , , , , , , , , , , ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	1-249-397-11			%	1/4W				< DIODE >		
NIZZV	1 240 001 11	VIII 21		,,,	1, 111				, 51002		
R1221	1-249-397-11	CARBON 22	2 5	%	1/4W		D1307	8-719-002-60	DIODE UZL-33L		
R1227	1-249-429-11	CARBON 10	) K 5	%	1/4W		D1309	8-719-014-66	DIODE UZP-5.6B	}	
R1228	1-247-881-00	CARBON 12	20K 5	%	1/4W		D1311	8 - 719 - 200 - 82	DIODE 11ES2		
R1229	1-249-439-11	CARBON 68	8 K 5	%	1/4W						
R1230	1-249-439-11	CARBON 68	8 K 5	%	1/4W				< FUSE >		
24224	4 040 447 44	010001	, ,	0/	1 / 410		A 51001	1 500 007 00	FURE TIME I AN	/TO 454) /A5	D A LT FF 11/1)
	1-249-417-11			%	1/4W				FUSE, TIME LAG		P, G, 11, EE, UK)
	1-249-428-11		2K 5		1/4W				FUSE (T3. 15A) (U		
	1-249-433-11			%	1/4W		-		FUSE, TIME LAG		P, G, II, EE, UK)
	1-249-426-11		6K 5		1/4W		<u>/</u> ₹1302	1-576-107-11	FUSE (T3. 15A) (U	JS, CND)	
R1251	1-249-417-11	CARBON 11	( 5	%	1/4W		A E1202	1_522_250_00	FUSE, TIME LAG	(TA NA) (AED	C IT EE HV
D1050	1 040 400 11	OADDON E	6K 5	0/	1/4W				FUSE (T4. 0A) (US		, O, II, LE, UK)
	1-249-438-11			%					FUSE, TIME LAG		Λ IT ΓΓ 11μ\
	1-249-417-11			%	1/4W						, U, II, EE, UK)
	1-249-438-11			%	1/4W		<u>/!\</u> F1304	1-3/0-108-11	FUSE (T4. 0A) (US	S, CND)	
	1-249-425-11		.7K 5		1/4W				· TRANSISTOR >		
R1256	1-249-425-11	CARBON 4.	.7K 5	%	1/4W				< TRANSISTOR >		
R1257	1-249-425-11	CARBON 4.	7K 5	%	1/4W		Q1301	8-729-141-83	TRANSISTOR 2SE	31094-LK	
R1258	1-249-425-11	CARBON 4.	7K 5	%	1/4W						
<b>№</b> R1259	1-212-881-11	FUSIBLE 10	00 5	%	1/4W F	:			< RESISTOR >		
<b>№</b> R1260	1-217-151-00	RES, METAL PLATE			0.22						
R1261	1-249-417-11	CARBON 11	K 5	%	1/4W		R1303	1-249-421-11	CARBON	2.2K 5%	1/4W
							R1304	1-249-425-11	CARBON	4.7K 5%	1/4W
R1262	1-249-431-11	CARBON 1	5K 5	%	1/4W		R1391	1-202-725-00	SOLID	3.3M 10%	1/2W (US, CND)
R1263	1-249-441-11	CARBON 1	00K 5	%	1/4W		******	******	******	*******	*****
R1268	1-249-397-11	CARBON 2:	2 5	%	1/4W						
R1269	1-249-397-11	CARBON 2:	2 5	%	1/4W		*	1-641-709-11	SW BOARD		
R1270	1-249-397-11	CARBON 2	2 5	%	1/4W				*****		
D.4.7.4	4 440 007 44	040001		0,	4 / 400				. 040401700		
	1-249-397-11	CARBON 2:		% ****	1/4W ******	****			< CAPACITOR >		
<b>ጥጥተተጥተ</b>	**********		• • • • • • • •				C701	1-124-903-11	ELECT	1uF	20% 50V
*	1-642-220-11	POWER BOARD									
		******							< CONNECTOR >		
	1 500 017 01	HOLDER. FUSE					± CN 1701	1 560 024 11	SOCKET, CONNECTO	AD 15D	
*		PIN, CONNECTOR 2P					# CNJ/UI	1-300-034-11	SUCKEI, COMMECTO	UN IUF	
*	1-304-321-00	FIN, CONNECTOR 21							< TRANSISTOR >		
*		< CAPACITOR >									
		·					0701	8-729-900-89	TRANSISTOR DTG	C144ES	
C1301	1-161-744-00	CERAMIC 0	. OluF			400V	0702	8-729-900-89	TRANSISTOR DTG	C144ES	
	1-124-122-11		00uF		20%	50V	Q703	8-729-900-89	TRANSISTOR DTG	C144ES	
	1-124-927-11		. 7uF		20%	100V					
	1-124-910-11		7 u F		20%	50V			< RESISTOR >		
	1-164-159-11		. 1uF			50V					
01040	. 107 100 11	JEHAMI V				,	R701	1-249-417-11	CARBON	1K 5%	1/4W
								1-249-437-11		47K 5%	1/4W
							R703	1-249-424-11		3. 9K 5%	1/4W
								1-249-427-11		6. 8K 5%	1/4W
						-	11 / 04	1 137 074 11	onnovii.	J. UN 970	., 40

The components identified by mark A or dotted line with mark A are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifé,

## SW TC MAIN

	Part No.	Description		Rema		Ref. No.	Part No.	Description			nark
 R705	1-249-421-11		2. 2K 5%	1/4W		C503	1-124-443-00		100uF	20%	10V
N I V V	1 240 421 11	7/11.D 0 11		.,		C504	1-162-289-31	CERAMIC	390PF	10%	50V
R706	1-249-416-11	CARRON	820 5%	1/4W			1-136-157-00		0. 022uF	5%	50V
R707	1-249-423-11		3. 3K 5%	1/4W			1-124-767-00		2. 2uF	20%	50V
N/U/	1-249-423-11	CARDON	0. 0K 3/0	17 411		0000	, 124 101 00	22201			
		< SWITCH >				C507	1-124-443-00	ELECT	100uF	20%	10V
							1-130-479-00	MYLAR	0.0047uF	5%	50V
\$701	1-572-994-11	SWITCH, PUSH (3	KFY)			C509	1-162-289-31	CERAMIC	390PF	10%	50V
0101	1 012 334 11	(TAPE SELECT/DUI		DOLBY NI	R)	C511	1-124-925-11		2. 2uF	20%	100V
******	******	******			- 1	C513	1-124-472-11	ELECT	470uF	20%	10V
*	A-4345-901-A	TC MAIN BOARD,	COMPLETE (US	. AEP. G.		C514	1-131-587-11	TANTALUM	0. 68uF	5%	35V
*	N 4040 001 N	10 111111111111111111111111111111111111		, EE, UK)		C515	1-124-257-00	ELECT	2. 2uF	20%	50V
*	A-4347-525-A	TC MAIN BOARD,				C516	1-126-163-11	ELECT	4. 7uF	20%	50V
*	N 4041 020 N	*******				C517	1-124-465-00	ELECT	0. 47uF	20%	50 V
		***************************************				C518	1-124-907-11		10uF	20%	50V
	1_535_005_11	JUMPER, FILM (W	ITH TERMINAL	1							
			X8 TYPE2 N			C520	1-124-907-11	ELECT	10uF	20%	50V
	, 000-040-13	OONER IDYII	VIIV III LE II	. •		C521	1-162-284-31		150PF	10%	50V
		< CAPACITOR >				C522	1-136-273-91		75PF	5%	630V
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				C523	1-136-271-00		56PF	5%	630V
0.400	1-162-289-31	CEDANIC	390PF	10%	50V	C524	1-162-280-31		82PF	10%	50V
C400 C401	1-102-209-31		0. 022uF	5%	50V	0024	1 102 200 01	O E III III I O			
			2. 2uF	20%	50V	C525	1-136-562-11	FILM	0. 0082uF	5%	630V
C402	1-124-767-00		100uF	20%	10V	C526	1-130-482-00		0. 0082uF	5%	50V
C403	1-124-443-00				50V	C527	1-124-925-11		2. 2uF	20%	100V
C404	1-162-289-31	CERAMIC	390PF	10%	304	C528	1-130-482-00		0. 0082uF	5%	50V
0.405	4 400 457 00	FILM	0.000E	5%	50V	C529	1-130-478-00		0. 0039uF	5%	50V
C405	1-136-157-00		0. 022uF		50V	6329	1-130-476-00	MILLY	0. 000341	370	30 4
C406	1-124-767-00		2. 2uF	20%	1	0500	1-130-478-00	MVIAD	0. 0039uF	5%	50V
C407	1-124-443-00		100uF	20%	107	C530	1-130-478-00		0. 47uF	20%	50 V
C408	1-130-479-00		0.0047uF	5%	50V	C 5 3 1			2. 2uF	20%	100V
C409	1-162-289-31	CERAMIC	390PF	10%	50V	C532	1-124-925-11		2. 2ur 2200uF	20%	16V
			4 5	0.00/	F0)/	C533	1-124-556-11		2200GF	20%	25V
C410	1-124-903-11		1uF	20%	50V	C534	1-124-120-11	ELECT	22001	20%	Z 3 V
C411	1-124-925-11		2. 2uF	20%	100V	٥٢٥٢	4 404 007 44		4.75	0.00/	1001/
C413	1-124-472-11		470uF	20%	10V	C535	1-124-927-11		4. 7uF 1uF	20%	100V
C414	1-131-587-11		0.68uF	5%	35V	C536	1-124-903-11			20%	50V
C415	1-124-257-00	ELECT	2. 2uF	20%	50V	C540	1-124-472-11		470uf	20%	10V
					5411	C541	1-162-282-31		100PF	10%	50V
C416	1-126-163-11		4. 7uF	20%	50V	C542	1-164-159-11	CERAMIC	0. 1uF		50 V
C417	1-124-465-00		0. 47uF	20%	50V	05.40	1 100 000 01	OFDAMIO	10000	1.08/	E 014
C418	1-124-907-11	ELECT	10uF	20%	50V	C546	1-162-282-31		100PF	10%	50V
C419	1-124-907-11	ELECT	10uF	20%	50V	C560	1-124-472-11	ELECT	470uF	20%	10V
C420	1-124-907-11	ELECT	10uF	20%	50V			CONNECTOR >			
0.10.4	1 100 001 01	CEDANIC	150PF	10%	50V			< CONNECTOR >			
C421	1-162-284-31					+ CN400	1_564_506_11	PLUG, CONNECTOR	3 D		
C422	1-136-273-91		75PF	5%	630V						
C423	1-136-271-00		56PF	5%	630V	* CN401		PLUG, CONNECTOR PLUG, CONNECTOR			
C424	1-162-280-31		82PF	10%	50V			PIN, CONNECTOR			
C441	1-162-282-31	CEKAMIC	100PF	10%	50V			PIN, CONNECTOR			
C442	1-164-159-11	CERAMIC	0. 1uF		50V						
C443	1-124-903-11		1uF	20%	50V	* CN410	1-564-506-11	PLUG, CONNECTOR	3 P		
C446	1-162-282-31		100PF	10%	50V			PLUG, CONNECTOR			
C500	1-162-289-31		390PF	10%	50V			PIN, CONNECTOR		4P	
C501	1-136-157-00		0. 022uF	5%	50V						
0301	1 100 101 00										
C502	1-124-767-00	ELECT	2. 2 u F	20%	50V						

## TC MAIN VOL

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description				nark 
		< DIODE >				1-247-883-00		150K	5%	1/4W	
		( DIODE )			R436	1-249-437-11		47K	5%	1/4W	
D500	8-719-912-20	DIODE 188120			R437	1-249-437-11		47K	5%	1/4W	
D501	8-719-912-20				R438	1-247-874-11		62K	5%	1/4W	
D501	8-719-912-20				R439	1-249-440-11		82K	5%	1/4W	
D502	8-719-912-20				11405	1 243 440 11	OANDON	OZK	070	17 411	
D503	8-719-912-20				R441	1-247-882-11	CADDON	130K	E0/	1/4W	
D304	0-719-912-20	DIONE 199150			R441	1-249-435-11				1/4W	
DEAE	0 710 010 00	DIADE 100100						33K	5%		
D505	8-719-912-20				R443	1-247-868-11		36K	5%	1/4W	
D506	8-719-912-20				R446	1-249-438-11		56K	5%	1/4W	
D507	8-719-912-20	DIODE 188120			R450	1-247-868-11	CARBUN	36K	5%	1/4W	
		. 10 >			D 4 E 1	1 047 070 11	CADDON	EIV	E 0/	1 / 110	
		< 10 >			R451	1-247-872-11		51K	5%	1/4W	
10100	0 750 444 44	10 0045700 4			R452	1-249-437-11		47K	5%	1/4W	
	8-759-111-44				R453	1-247-881-00		120K		- 1/4W	
	8-759-111-44				R517	1-249-437-11		47K	5%	1/4W	
	8-759-000-49				R518	1-247-838-00	CARBON	2 K	5%	1/4W	
	8-752-057-21				8547				501		
IC404	8-752-038-02	IC CXA1198AP			R527	1-249-441-11		100K		1/4W	
					R532	1-249-393-11		10	5%	1/4W	
	8-759-140-11				R538	1-249-385-11		2. 2	5%	1/6W	
	8-759-040-01					1-249-392-11		8. 2	5%	1/4W	
IC503	8-759-140-11	IC uPD4011BC			R540	1-249-392-11	CARBON	8. 2	5%	1/4W	
10515	8-759-604-86	IC M5F7807L									
10516	8-759-604-90	IC M5F7907L					< VARIABLE RES	ISTOR >	•		
		< COIL >			RV400	1-230-496-11	RES, ADJ, CARBO	)N 10K			
							RES, ADJ, CARBO				
L400	1-410-780-11	INDUCTOR 27ml	Н				RES, ADJ, CARBO				
L500	1-410-780-11						RES, ADJ, CARBO				
2000	7 410 100 11	THE COTON					RES, ADJ, CARBO				
		< TRANSISTOR >			1,1000	1 200 400 11	neo, neo, onne	) ( ) ( ) ( )			
		C THANGTOTON >			RV501	1-230-496-11	RES, ADJ, CARBO	N 10K			
0400	8-729-900-89	TRANSISTOR DTC144	FC				RES, ADJ, CARBO				
Q400	8-729-900-89						RES, ADJ, CARBO		,		
0402	8-729-119-78						RES, ADJ, CARBO				
Q402	8-729-119-78						RES, ADJ, CARBO				
Q500	8-729-900-89				114000	1 200 430 11	KLO, ADO, OAKD	JH 2. ZF	`		
2300	0 123 300 03	TRANSTOTOR DIVITA	LU				< RELAY >				
Q502	8-729-119-78	TRANSISTOR 2SC278	5_HEE				( HELKI )				
Q502	8-729-119-78				DVANN	1-515-614-11	DELAV				
Q504	8-729-119-78				111400	1 313 014 11	NELAI				
							< TRANSFORMER				
Q505	8-729-194-57						TRANSFURMEN .	,			
Q506	8-729-281-52	TRANSISTOR 2SC181	0-T		TEAA	1 400 040 11	TRANSFORMER D	140 000		101	
0507	0 700 000 01	TRANSISTAD DIA114	F.C.	,			TRANSFORMER, B				
Q507	8-729-900-61				******	******	******	*****	*****	******	****
Q508	8-729-900-80					1 641 706 11	WAL DAARD				
Q509	8-729-119-76				*	1-641-706-11					
Q511	8-729-900-65						******				
Q512	8-729-900-89	TRANSISTOR DTC144	ES								
		A DECICEOUS					< CAPACITOR >				
		< RESISTOR >			01120	1-161-379-00	CERAMIC	0.01	ıF	20%	25V
R415	1-215-460-00	METAL 43K	1%	1/6W	01120	51 015 00	- =	J. V I		2070	201
R417	1-249-437-11			1/4W			< VARIABLE RES	ISTOR	>		
R417	1-247-838-00		5%	1/4W			· MATABLE NEO	, or on .	•		
R410				1/4W	DV/1100	1_9/1_950_11	RES, VAR, CARB	ON 1001	//1004	/ (\/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Ε\
	1-249-435-11			1/4W 1/4W			*************				•
R432	1-247-868-11	OWINDOW 30K	J/0	1/ 411	<b>ጥጥተተተ</b> ች	rተተቀቀቀቀቀቀ	· ተጥጥጥጥጥተተተተቶቶ	<b>ተ</b> ቀጥተተች <sup>6</sup>	<b>ኮ</b> ዮዮጵች <sup>3</sup>	r ተ ተ ተ ተ ቶ ቶ	<b>ጉ</b> ተተተ

Ref. No.	Part No.	Description	Remark 
		MISCELLANEOUS	
		******	
15	1-590-459-1	WIRE, FLAT TYPE (11 CORE)	
16	1-590-578-1	WIRE, FLAT TYPE (19 CORE)	
17	1-690-729-1	WIRE, FLAT TYPE (27 CORE)	
18	1-590-901-1	WIRE, FLAT TYPE (22 CORE)	
<b>№</b> 306	8-848-144-1	DEVICE, OPTICAL KSS-240A	
<u>^</u> CNP130	11-575-651-6	CORD, POWER (AEP, G, IT, EE)	
		CORD, POWER (UK)	
A CNP130	11-600-600-1	CORD POWER (US CND)	
HE1	1-543-673-1	HEAD, MAGNETIC (ERASE) (DECK	( B)
HP1	1-543-319-1	HEAD, MAGNETIC (PB) (DECK A)	
HRP1	1-543-319-1	HEAD, MAGNETIC (REC/PB) (DEC	CK B)
M1	X-3362-377-	MOTOR (WH) ASSY	
M101	X-4917-504-	MOTOR ASSY (SLED)	
M102	X-4917-523-	MOTOR ASSY (SLED) MOTOR ASSY (SPINDLE)	
		MOTOR (L) ASSY	
		SWITCH, PUSH (AC POWER) (1 K	
		I TRANSFORMER, POWER (AEP, G, 17	, EE)
<u> 1</u> ₹1301	1-450-783-1	TRANSFORMER, POWER (UK)	
<u> 1</u> 11301	1-450-817-1	TRANSFORMER, POWER (US)	
		TRANSFORMER, POWER (CND)	
******	******	************	********
	ACCESSORI	ES & PACKING MATERIALS	
	******	******	
	1-465-962-1	COMMANDER (STANDARD TYPE) (F	RM-S171)
		I ANTENNA, LEAD	
		I ANTENNA, LOOP	
*		CUSHION (HALF)	
	3-754-667-4	MANUAL, INSTRUCTION (ENGLISH SPANISH, PORTU	
	3-754-667-5	MANUAL, INSTRUCTION (GERMAN, SWEDISH, ITAL	DUTCH,
	4-921-934-0	SHEET, PROTECTION	
		I CUSHION (UK)	
*	4-949-428-1	CUSHION (US, CND, AEP, G, IT)	
	4-050-626-0	I INDIVIDUAL CARTON (AEP. IT)	
*		***********	

Ref. No.	Part No.	Description	Remark
#10	7-688-001-01	W 2, SMALL	
#11	7-621-775-10	SCREW +B 2.6X4	
#12	7-621-255-15	SCREW +P 2X3	
#13	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S	

### HARDWARE LIST

#1	7-682-547-04 SCREW +BVTT 3X6 (S)
#2	7-685-646-79 SCREW +BVTP 3X8 TYPE2 N-S
#3	7-685-650-79 SCREW +BVTP 3X16 TYPE2 IT-3
#4	7-621-849-00 SCREW, TAPPING
#5	7-685-103-19 SCREW +P 2X5 TYPE2 NON-SLIT
#6	7-685-135-19 SCREW +BTP 2.6X10 TYPE2 N-S
#7	7-621-775-20 SCREW +B 2.6X5
#8	7-685-133-19 SCREW +P 2.6X6 TYPE2
#9	7-623-921-01 RING, RETAINING, CAPSTAN

The components identified by mark A or dotted line with mark are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

# PS-LX49/LX49P

## **SERVICE MANUAL**



US Model PS-LX49/LX49P Italian Model

PS-LX49 E Model PS-LX49P

Photo: PS-LX49

#### **SPECIFICATIONS**

30cm (12 in.)

0.25% (WRMS)

45dB (DIN-B)

Return, reject

203 mm (8 in.)

235 mm (9 1/4 in.)

DC servo motor Belt drive

33 1/3 rpm/45 rpm switchable

Turntable

Platter Motor Drive system Speed

Wow and flutter Signal-to-noise ratio Automatic system

Tonearm

Type Pivot-to-stylus length Overall arm length

Cartridge

Type Frequency response Stylus

Dimensions

Weight Power requirements

Power consumption Accessory supplied Optional accessories Moving magnet type 20 Hz-20kHz CN-234

Dynamically blanced

355×97×342 mm(w/h/d) (14×3 5/6×13 1/2 inches) Approx. 2.6kg (5 lb 12 oz) 220V AC50Hz (PS-LX49) 12V DC (PS-LX49P)

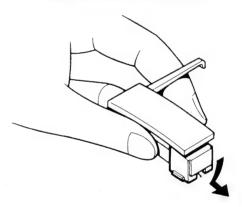
2W 45-rpm adaptor (1)

Replacement stylus CN-234 Stat spray XP-C10 Cleaner XP-C1, XP-C2

Design and specificatins subject to change without notice.

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

#### REPLACING THE STYLUS



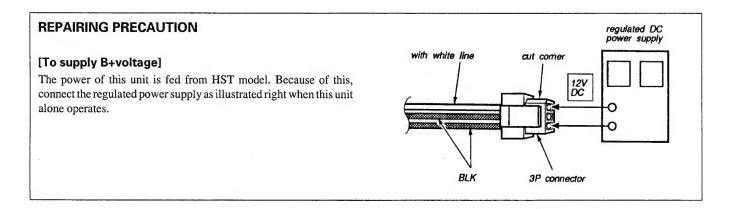
Replace the stylus after about 400 hours of use because using a worn stylus will damage records. An CN-234 replacement stylus is avilable at your Sonv dealer.

Be sure to turn the amplifier off before proceeding with replacement.

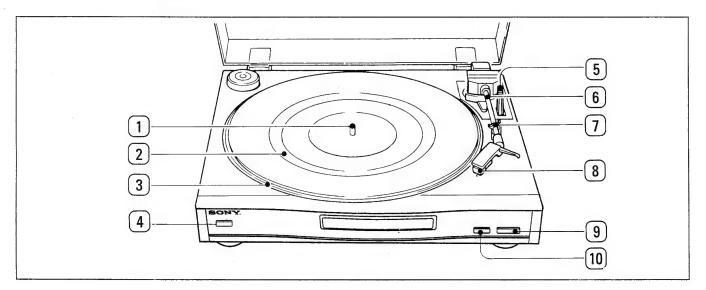
- 1 While holding the cartridge, detach the stylus assembly as illustrated.
- 2 Insert the new stylus into the cartridge.



STEREO TURNTABLE SYSTEM SONY



#### **LOCATION AND FUNCTION OF CONTROLS**



- 1 Center spindle
- 2 Rubber mat
- 3 Turntable platter
- 4 POWER switch (PS-LX49 only)
- 5 Cueing lever ( ▼ / ▼ )
- 6 Tonearm
- 7 Arm rest
- 8 Cartridge
- 9 REJECT button
- 10 SPEED select button

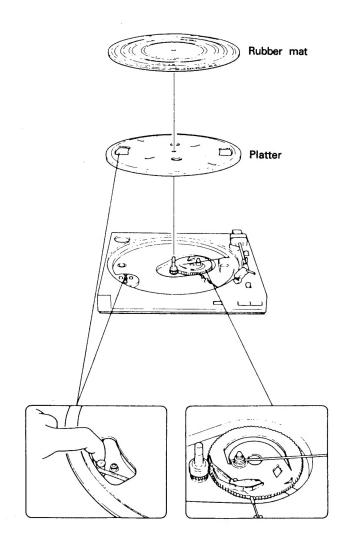
Allows selection of 45rpm or 33rpm turntable speed.

Α

В

D

E

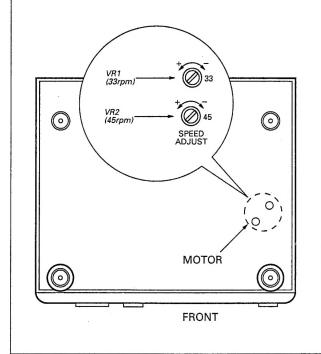


Hook the belt on the motor pulley. If the belt is removed from the platter, replace it with theglossy side outward.

#### **Speed Adjsutment**

**Note:** Be sure to perform 45rpm adjustment before 33rpm.

- 1. Place a stroboscope board on the turntable sheet.
- 2. Set the SPEED switch to 45. Press the START button. Ajust VR2 so that the striped pattern of stroboscope board is stationary.
- 3. Set the SPEED switch to 33. Adjust VR1 in the same way.

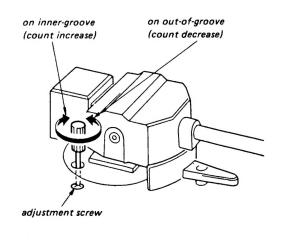


### **Stylus Drop-point Adjustment**

- 1. Place a test record (YFSC-16) on the turntable sheet.
- 2. Set the SPEED switch to 33.
- 3. Press the START button.
- 4. By using a screwdriver, turn the adjustment screw so that the stylus tip drops on the record at the 7-17 counts position.
- 5. Move the arm to return detecting groove and confirm that the auto-raturn operation is started normally.

Note: The proper adjustment for a 30cm record is also correct for a 17cm record.

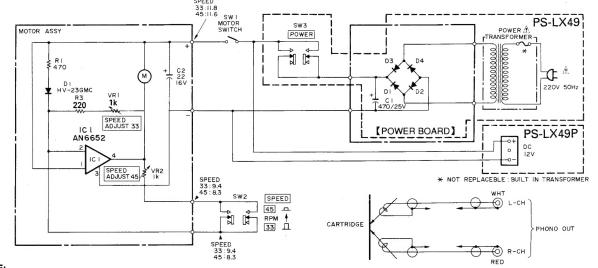
when turning adjustment screw, put the arm on the arm



## **SCHEMATIC DIAGRAM**

2

3



4

5

6

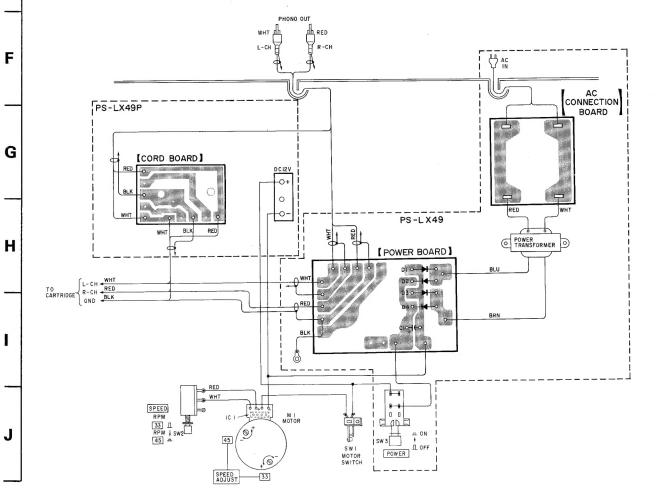
NOTE:

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and 1/4W or less unless otherwise specified.

Switches	:	
Ref.No.	Switch	Position
SW1	MOTOR	OFF
SW2	SPEED	33
SW3	POWER	OFF

The components identified by mark extstyle extstyledotted line with mark rianlge rianlge are critical for safety. Replace only with part number specified.

#### **WIRING DIAGRAM**



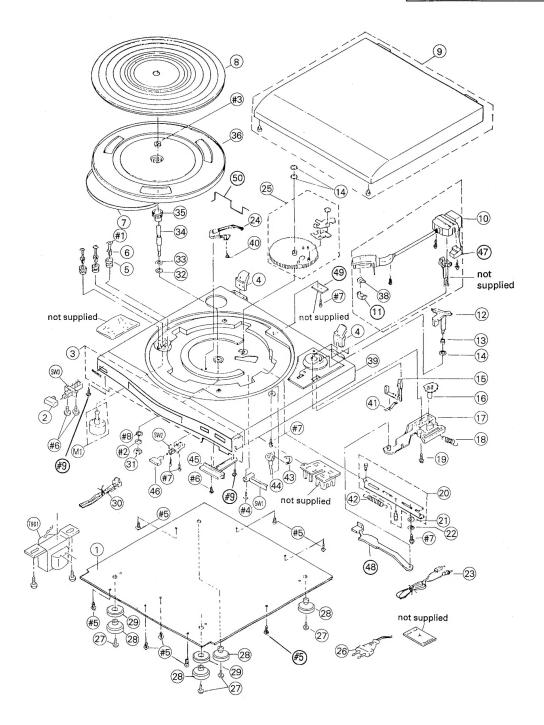
#### **EXPLODED VIEW**

#### NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Screw(# mark) list is given in the last of this parts list

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

Replace only with part number specified.



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1 2 3 3	4-950-507-01 A-4660-136-A	BUTTON BOARD KNOB POWER (49:US, IT) PANEL (G) ASSY, FRONT (49P:US, E) PANEL (B) ASSY, FRONT (49:US, IT)		5 6 7 8	4-947-505-01 4-947-504-01 4-947-503-01 4-947-539-01	BELT	
4	4-947-476-01		_ {	9 5 —		COVER ASSY, DUST	

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
10	A-4604-940-A	ARM ASSY, TONE		29	4-950-489-01	FOOT RING (49:US/49P:US, E)	
11		COVER CARTRIDGE		30		DC CORD (PS-LX49P)	
12	4-947-466-01	TONE ARM ELEVATOR		31	4-947-510-01	,	
13	4-947-467-01	SPRING (6)		32	3-451-162-01		
14	4-947-514-01	4MM CS RING		33	3-701-445-21		
15		LEVER, CUEING		34	4-947-498-01	STELL BALL	
16	4-947-470-01	ADJUST CAM		35	4-947-497-01	GEAR	
* 17		LINK, RETURN		36	4-947-494-01	TURNTABLE PLATTER	
18		SPRING (9-1)		38	4-951-290-01	STYLUS (CN-234)	
19	4-948-097-01	SCREW (68)		39	4-947-475-01	MAIN CABINET (G) (49P:US, E)	
20	A-4604-947-A	RETURN ASSY, LEVER		39	4-950-487-01	MAIN CABINET (B) (49:US, IT)	
21	3-659-350-01	WASHER		40	4-947-496-01	SPRING (34)	
22	4-890-173-01	WASHER		* 41	4-947-477-01	SPRING SHEET	
23	1-696-142-11	PHONO CORD		42	4-947-485-01	SPRING (22)	
				43	4-947-490-01	ARM CLIP	
24	4-947-495-01	WIPER REJECT					
25		GEAR ASSY, SPUR		44	4-947-491-01	ARM REST	
26		CORD AC (PS-LX49) (US)		45	4-950-485-01	KNOB RETURN	
26	1-696-383-11	CORD AC (PS-LX49) (IT)		46	4-950-486-01	KNOB SPEED	
27	4-950-497-01	FOOT SEAT		47	4-947-464-01	COUNTER WEIGHT	
				* 48	4-947-487-01	RETURN LINK	
28	4-950-490-01	PLASTIC STAND	i	49	1-644-410-11	P. C BOARD (PS-LX49P)	
				50	4-948-101-01	SPRING (38)	

#### **ELECTRICAL PARTS LIST**

#### NOTE:

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

Replace only with part number specified.

When indicating parts by reference number, please include the board name.

 Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.

3-754-840-41 MANUAL, INSTRUCTION (German, Dutch,

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
   All resistors are in ohms
   METAL: Metal-film resistor
   METAL OXIDE: Metal Oxide-film resistor
   F: nonflammable
- Items marked "\*" are not stocked since they are seldom required for routine service.
   Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
   In each case, u : μ, for example : uA...: μA..., uPA...: μPA..., uPB...: μPB..., uPC...: μPC...
- uPD...: μPD...
   CAPACITORS
  MF: μF, PF: μμF
  - COILS MMH : mH, uH : μH

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
23	1-696-142-11			*		SNOW BOX (L)	
26 26		CORD AC (PS-LX49) (US) CORD AC (PS-LX49) (IT)		*	4-947-533-01	SNOW BOX (R)	
30	1-696-145-11	DC CORD (PS-LX49P)		******	******	***********	******
* 49	1-644-410-11	P. C BOARD (PS-LX49P)				HARDWARE LIST	
M1	A-4604-945-A	MOTOR ASSY					
SW1	1-692-186-11	SWITCH (MOTOR SW)		#1	7-621-773-87	SCREW (64)	
SW2	1-692-187-11	PUSH SWITCH (SPEED SW)		#2	7-623-210-22	WASHER (57)	
SW3	1-692-211-11	SWITCH (POWER) (PS-LX49)		#3	7-624-110-04	6MM E RING	
<b>∆</b> T901	1-450-986-11	TRANSFORMER (PS-LX49) (US)		#4	7-685-105-01	SCREW (59)	
<b>∆</b> T901	1-450-987-11	TRANSFORMER (PS-LX49) (IT)		#5	7-685-147-21	SCREW (70)	
******	<b>*****</b>	**********	*****	#6	7-685-646-79	SCREW (62)	
				#7	7-685-647-79	SCREW (58)	
	ACCESSORIE	S & PACKING MATERIALS		#8	7-688-005-01	WASHER (69)	
	******	******		#9	7-685-146-21	SCREW (60)	
	3-754-840-21	MANUAL, INSTRUCTION (English) (U	JS)				

Swedish, Italian) (Italian)

English 92C1949-1 Printed in Japan © 1992.3

# PS-LX49/LX49P

# SONY. SERVICE MANUAL

US Model PS-LX49/LX49P

Italian Model

E Model

## **CORRECTION-1**

Correct your service manual as shown below.

### : indicates corrected portion.

Page			INCORRECT	CORRECT
	No.	Part No.	Description	Part No. Description
6	49	1-644-410-11	P.C BOARD (PS-LX49P)	* 1-644-410-11 CORD BOARD (PS-LX49P)
	49		·	* 1-652-482-11 PHONO BOARD (PS-LX49)
5				
J			-33 -32	To any and the second s
				The wardled (1)

#### **Schematic Diagram and Wiring Diagram**

Page	Model	INCORRECT	CORRECT
4	PS-LX49	POWER BOARD	PHONO BOARD